APPENDIX G

VERIFICATION WELL #1 COMPLETION REPORT

Archer Daniels Midland Company

UIC Permit No. UIC-012-ADM Illinois Environmental Protection Agency Bureau of Land Class I – Non-Hazardous Permit

UIC Form 4h, ADM Verification Well #1 Completion Report Revised July 19, 2011

Geological Sequestration in the Illinois Basin







Table of Contents

TABL	E OF CONTENTS3
LIST	OF ABBREVIATIONS4
UIC F	FORM 4H, VERIFICATION WELL #1 COMPLETION REPORT6
ı.	Type of Permit
II.	LOCATION, SEE INSTRUCTIONS
III.	Surface Elevation
IV.	Well Depth8
V.	Static Water Level
VI.	DEMONSTRATED FRACTURING PRESSURE, IF APPLICABLE
VI	I. VERIFICATION WELL COMPLETION
VI	II. WELL SCHEMATIC OR OTHER APPROPRIATE DRAWING OF SURFACE AND SUBSURFACE CONSTRUCTION DETAILS8
IX.	Well Design and Construction9
Χ.	Tests and Logs
XI.	Well Design and Construction
XII	. Surface Facilities, see instructions
XII	I. Hydrogeologic Information
ΧI	V. Injection Fluid Compatibility, see instructions
ΧV	. Monitoring Program, see instructions

Appendices

Appendix VIII. Schematics of injection wellbore, wellhead, bottom hole completion assembly, and Project Site Map

Appendix IX. Contractor Morning Reports, Drilling Mechanics Log, and Daily Completion as-built Reports

Appendix X. Records of Tests and Logs During and After Drilling (see boxes labeled X.A and X.B)

Appendix XI. Casing and Centralizer Tally Sheets

Appendix XIII.

- C. Revised UIC Form 4g
- D. Copy of D.N.R. Completion Report Form

NOTE: Appendices have been numbered to correspond to the specific section of the Completion Report Form 4h with which they are associated. Not all sections are accompanied by appendices.

List of Abbreviations

ADM, Archer Daniels Midland

Aka, also known as

Bbls, barrels

BHA, bottom hole assembly

BHCT, bottom hole circulating temperature

BHST, bottom hole static temperature

BOD, basis of design

BOP, blow out preventer

B-T gauge, Bourdon-tube gauge

BTU, British thermal unit

CBL, cement bond log

CCS, carbon capture and sequestration

Cf, cubic feet

Cf/sk, cubic feet per sack

CFR, Code of Federal Regulations

Cm, centimeter(s)

CMR, combinable magnetic resonance

CO₂, carbon dioxide

Csg, casing

D&CWOP, Drill and complete well on paper

Eg, for example

EMR, electronic memory recorder

EOR, enhanced oil recovery

F, farenheit

FEED, front end engineering design

FMI, formation micro imager

FOT, fall-off test

Ft., foot or feet

Ft/h, feet per hour

Ft/min, feet per minute

Gal/sk, gallons per sack

GR, gamma ray

HP, high pressure

Hr. hour

ID, inside diameter

IEPA, Illinois Environmental Protection Agency

ISGS, Illinois State Geological Survey

KCl, potassium chloride

L(l), liter(s)

Lb (lbs), pound (pounds)

Lb/ft, pounds per foot

Lb/sk, pounds per sack

M (m), meter(s)

M/h, meters per hour

MASIP, maximum allowable surface injection pressure

MDT, Modular Dynamics Tester* (mark of Schlumberger)

MeV, milli electronvolts

Mg/L, milligrams per liter

MGSC, Midwest Geologic Sequestration Consortium

MI, move in

MO, move out

MVA, monitoring, verification, and accounting

NaCL, sodium chloride

N/A, not applicable

NPDES, National Pollution Discharge Elimination System

NRC, Nuclear Regulatory Commission

OD, outside diameter

P&A, plugging and abandonment

PBTD, Plug back total depth

POOH, pull out of hole

Ppg, pounds per gallon

Psi, pounds per square inch

Psi/ft, pounds per square inch per foot

PV, plastic viscosity

QA, quality assurance

QA Zone, quality assurance zone

QHSE, quality, health, safety, and environment

Qty, quantity

RD, rig down

RU, rig up

RST, Reservoir Saturation Tool* (mark of Schlumberger)

S, seconds

SACROC, Scurry Area Canyon Reef Operators Committee

Sk, sack

SIP, surface injection pressure

SP, spontaneous potential

SRPG, surface-readout pressure gauge

SRTs, step rate tests

Sxs, sacks

TBD, to be determined

Tbg, tubing

TD, total depth

TDS, total dissolved solids

TIH, trip in hole

TOH, trip out of hole

UIC, underground injection control

US DOE, United States Department of Energy

USEPA, United States Environmental Protection Agency

USDW, underground source of drinking water

VDL, variable density log

WFL, water flow log

WOC, wait on cement

XPT, pressure express tool

UIC Form 4h, Verification Well #1 Completion Report

DRAFT UIC PERMIT FORMS

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY UNDERGROUND INJECTION CONTROL PERMIT APPLICATION

FORM 4h - WELL COMPLETION REPORT

USEPA ID NUMBER: <u>ILD984791459</u>
IEPA ID NUMBER: <u>1150155136</u>
WELL NUMBER: ADM Verification Well #1

Type of Permit

I.

Indivi	dual:	
	Emergency	
	New	
	Renewal	
	Permit Number	
Area:	Completion Report	
	Number of well	ADM Verification Well #1
	Name of Field	
	Emergency	
	New	
	Renewal	
	Permit Number UIC	C-012-ADM

Location in Application

II. Location, see instructions

A. Township-Range-Section:

Verification Well #1 is located 605 feet North and 1175 feet East in the Southwest quadrant of Section 32 of Township 17 North and Range 3 East, Macon County, IL.

B. Latitude/Longitude:

The latitude and longitude coordinates of the well in degrees-minutes-seconds are 39° 52' 47.2620" N and 88° 53' 36.0924" W.

C. Closest Municipality

The closest municipality to the well is Decatur, Macon County, IL.

III. Surface Elevation

Surface elevation of the well is 669 feet (203.9 meters) above Mean Sea Level.

IV. Well Depth

The well was drilled to a total measured depth of 7272 feet (2216.5 meters) below the drilling rig kelly bushing (RKB). NOTE: the RKB is 15 feet (4.6 meters) above the surface elevation, or 684 feet (208.5 meters) above Mean Sea Level.

V. Static Water Level

The static water level in the well is 194 feet (59.1 meters) above Mean Sea Level.

VI. Demonstrated Fracturing Pressure, if applicable

Since this well will not be used for injection, no tests were performed to demonstrate the fracture pressure.

VII. Verification Well Completion

The Verification Well #1 is fully-cased and perforated at the intervals indicated in Table 1.

Table 1: Perforation Details

Port No.	Perf Top (MD feet)	Perf Bottom (MD feet)	Formation Name	Shot Phasing (deg)	Total Shots
Z11 MP	4917.5	4920.5	Ironton- Galesville	60	18
Z 10 MP	5000.7	5003.7	Ironton- Galesville	60	18
Z 9 MP	5653.8	5657.3	Mt. Simon	120	11
Z 8 MP	5840.4	5843.9	Mt. Simon	120	11
Z 7 MP	6416.2	6419.7	Mt. Simon	120	11
Z 6 MP	6632.3	6635.8	Mt. Simon	120	11
Z 5 MP	6720.3	6723.8	Mt. Simon	120	11
Z 4 MP	6837.1	6840.6	Mt. Simon	120	11
Z 3 MP	6945.6	6949.1	Mt. Simon	120	11
Z 2 MP	6983.0	6986.5	Mt. Simon	120	11
Z 1 MP	7061.2	7064.2	Granite Wash	60	18

VIII. Well schematic or other appropriate drawing of surface and subsurface construction details

Please see the Verification Well #1 wellbore, wellhead, and bottom hole completion assembly schematics included in Appendix VIII with this report.

IX. Well Design and Construction

Please see Appendix IX for the Contractor Morning Reports, Drilling Mechanics Log, and Daily Completion as-built Reports which summarize the rig performance and operations throughout the drilling and completion of the well.

A. Well hole diameters and corresponding depth intervals

The well was drilled in three stages with the following depth intervals and wellbore diameters:

Surface Hole: 0 - 377 feet, 17.5-inch diameter

Intermediate Hole: 377 – 5322 feet, 12.25-inch diameter

Final Hole: 5322 – 7272 feet, 8.5-inch diameter

B. Annulus Protection System

Verification Well #1 will not be used for injection, however, the well has been constructed in a way that meets the requirements of Part 704 UIC Permit Program Subpart E, Permit Conditions Section h to establish and maintain mechanical integrity and part 730 Underground Injection Control Requirements, Section 730.108 Mechanical Integrity.

The surface, intermediate, and long casing strings are cemented to surface so there are no open annuli between these strings.

Due to the unique completion design of the Verification Well #1, the annulus of the well is defined as the volume above the uppermost Westbay packer (#28) and the surface. More specifically, this space will be the annulus between the 2-7/8-inch OD tubing and the 5 ½ inch, 17 lb/ft casing (4.892 inch ID).

Throughout the operation of the well, the annulus between the 2-7/8-inch tubing and the $5\frac{1}{2}$ inch long string casing will be continuously monitored at the wellhead to verify that pressure is within the limits prescribed in the permit language (14 - 100 psia). Annulus pressure within the prescribed limits can be construed as evidence of mechanical integrity in the annular space, which will also be confirmed annually via the test described in section X.C. of this report.

1. Annular space, ID and OD (inches)

The annular spaces between the wellbore tubulars are detailed

below and reflect the various casing/tubing sizes that were used in the wellbore design.

<u>Surface (0 - 377 feet):</u> 13.375 inches / 17.5 inches

Intermediate (0 - 5322 feet): 9.625 inches / 12.615 inches

Long (0 - 7272 feet): 5.5 inches / 8.835 inches

Production Tubing (0 - 4745 feet): 2.875 inches / 4.892 inches

Westbay Tubing (4745 – 7128 feet): 2.5 inches /4.892 inches

2. Type of annular fluid(s)

The fluids occupying the annular spaces between the wellbore tubulars are described below.

<u>Surface</u>: fully cemented (see cement details in section XI.C)

<u>Intermediate</u>: fully cemented (see cement details in section XI.C)

<u>Long string</u>: fully cemented (see cement details in section XI.C)

Westbay Tubing: The Westbay monitoring intervals, which are perforated and open to the formation, contain native formation brines, whose density varies slightly depending on the composition of the fluid. The Westbay quality assurance zones (QA), which are not perforated and are isolated against the inner diameter of the long-string casing, contain 9.4 lb/gal NaCl with adomite ASP 539D brine which was used during the installation of the completion system.

<u>Production Tubing:</u> the annular space between the production tubing and the long string casing – above the shallowest Westbay packer – contains 9.4 ppg NaCl brine with Nalco Adomite ASP 539D corrosion inhibitor at a concentration of 2 gallons per 1000 gallons brine.

3. Specific gravity of annular fluid

The brine occupying the annulus space between the final casing string and the 2-7/8-inch production tubing has a specific gravity of approximately 1.127. The fluid occupying the annular spaces of the perforated Westbay monitoring intervals varies; therefore, the specific gravity is dependent on the composition of the native reservoir fluid. The fluid occupying the annular spaces of the non-perforated Westbay QA zones has a specific gravity of 1.127.

4. Coefficient of annular fluid

The fluid occupying the annulus space between the final casing string and the production tubing has a hydrostatic coefficient of approximately 0.488 psi/ft. The fluid occupying the annular spaces of the perforated Westbay monitoring intervals varies; therefore, the hydrostatic coefficient is dependent on the composition of the native reservoir fluid. The fluid occupying the annular spaces of the non-perforated Westbay QA zones has a specific gravity of 0.488 psi/ft.

5. Packer(s)

a. Setting depth

There are a total of 28 Westbay MP55 packers in Verification Well #1. Table 2 displays the setting depth of each individual packer.

Table 2: Packer Depths

Packer No.	Top Depth (MD feet)
P28	4823.8
P27	4890.7
P26	4937.9
P25	4973.8
P24	5021.0
P23	5283.5
P22	5329.3
P21	5365.2
P20	5410.9
P19	5456.6
P18	5502.4
P17	5627.0
P16	5674.2
P15	5813.5

Packer No.	Top Depth (MD feet)
P14	5860.7
P13	6389.3
P12	6436.5
P11	6605.4
P10	6652.6
Р9	6693.4
Р8	6740.6
P7	6811.0
P6	6858.2
P5	6918.7
P4	6956.1
Р3	7003.3
P2	7034.2
P1	7081.4

The packers were inflated with tap water in sequence beginning with the deepest. All of the packers were inflated normally with the exception of packers P24 and P26. Packer P24 is positioned below Zone 10 and packer P26 is positioned below Zone 11. During the operation, inflation diagnostics indicated that these two particular packers were not able to maintain the appropriate inflation pressure. These two packers are judged to be uninflated. In each case, the subject packer provided redundancy as part of a 2-packer set

designed to seal inside the casing between two perforated intervals. The second packer of each set (packer P23 and packer P25, respectively) inflated normally and all standard monitoring operations of the well are un-affected.

b. Type

The Westbay packers can be described as steel-reinforced, rubber gland inflatable packers.

c. Name and model

The packers in the completion assembly are Westbay Steel MP55 System MP55 Packer – 90mm Element Part No. 0414100C4. Detailed specifications of these packers were provided with the revisions to the permit modification log UIC-143-M2 received by the IEPA on 15-Nov-2010.

6. Description of fluid spotting frequency, type and quantity

After the 5 ½-inch long string casing was cemented in place, it was filled with a 9.2 lb/gal (0.477 psi/ft equivalent hydrostatic gradient) NaCl completion brine, which was of sufficient density to control fluid movement into the wellbore from open perforations and throughout the installation of the Westbay monitoring system. The maximum reservoir pressure gradient calculated from surface is approximately 0.45 psi/ft, as determined from reservoir pressure measurements acquired during open-hole logging. Prior to installing the Westbay system in the well, 65 barrels of 9.4 ppg sodium chloride brine, with Nalco Adomite ASP 539D corrosion inhibitor at a concentration of 2 gallons per 1000 gallons of brine, were spotted from TD back to 4500 feet. See daily Completion as-built reports in Appendix IX for the detailed chronology of the completion operations.

After the Westbay system was installed and all but the shallowest Westbay packer (P28) was inflated, the pumping port sliding sleeve of QA Zone 16 was opened and the annulus was flushed with approximately 20 bbls of 9.2 lb/gal brine which was circulated through the tubing. This mixture was then replaced with 27.8 bbls of 9.4 lb/gal sodium chloride brine with Nalco Adomite ASP 539D corrosion inhibitor at a concentration of 2 gallons per 1000 gallons of brine. Afterwards, the sliding sleeve in QA Zone 16 was closed and the shallowest packer (P28) was inflated properly, thereby isolating the annular space to surface. The 9.4 lb/gal NaCl brine (with abovementioned additives) is currently the fluid that resides in the tubing-casing annular space above the shallowest packer.

7. Information on well driller used for construction of this well

The well was drilled with a rotary-table drilling rig with a water-based circulating mud system. Contact information for the drilling company is listed below.

Pioneer Oil field Services, LLC 1290 N State Road 67 Vincennes, IN 47591 (812) 882-0999 Contact Person: Mike Robinson

X. Tests and Logs

A variety of wireline logs and tests were conducted during each stage of drilling and completing the well; the types of logs and tests run are listed below with detailed information included in the file boxes labeled as Appendices X.A-B.

A. During Drilling

Surface Hole:

- Wireline Logs: (Logs included in File Box Appendix X.A-B)
 - o Laterolog-GR-SP

Intermediate Hole:

- Wireline Logs: (Logs included in File Box Appendix X.A-B)
 - o Neutron-Density-GR Combo
 - o Laterolog Resistivity
 - o Micro-Resistivity Imaging (FMI)
 - o Elemental Capture Spectroscopy
 - o Natural Gamma Ray Spectroscopy
 - o Formation Pressures (MDT)
 - Rotary Sidewall Cores (routine analysis results included in File Box Appendix X.A-B)
 - o SP

Final Hole:

- Wireline Logs: (Logs included in File Box Appendix X.A-B)
 - o Neutron-Density-GR Combo Laterolog Resistivity
 - o Induction Resistivity
 - Microlog
 - o Micro-Resistivity Imaging (FMI)
 - o Sonic (MSIP Sonic Scanner)
 - Elemental Capture Spectroscopy
 - Natural Gamma Ray Spectroscopy

- o Magnetic Resonance (CMR)
- Rotary Sidewall Cores (routine analysis results included in File Box Appendix X.A-B)
- Formation Pressures (XPT; summary report included in File Box Appendix X.A-B)

Conventional Whole Core:

Table 3 Whole Core Intervals (uncorrected driller's depths).

Hole Section (in)	Formation Name	Length (ft)	Est. Top of Formation (ft)	Core Top (ft)	Core Bottom (ft)
12-1/4	New Albany	27	2071	2132	2159
12-1/4	Knox (Gunter- Eminence transition)	46	4238	4218	4264
12-1/4	Knox (Potosi)	46	4344	4513	4559
8-1/2	Eau Claire-Mt Simon transition	139	5017	5425	5564
8-1/2	Mt. Simon	60	5515	5930	5990
8-1/2	Lower Mt. Simon	389	5515	6680	7069

Results of routine analysis on full-diameter whole core samples is included in File Box Appendix X.A-B.

B. During and after casing installation

Surface Hole: (Logs included in File Box Appendix X.A-B)

- Wireline Logs:
 - o Cement Bond Log with Variable Density Log (CBL-VDL)

Intermediate Hole: (Logs included in File Box Appendix X.A-B)

- Wireline Logs:
 - Ultrasonic Cement Imaging
 - o Cement Bond Log with Variable Density Log (CBL-VDL)

Final Hole:

- Wireline Logs: (Logs included in File Box Appendix X.A-B)
 - o Isolation Scanner Image Log
 - o Cement Bond Log with Variable Density Log (CBL-VDL)
 - o Pressure/Temperature Log
 - o Thermal Neutron Decay (Formation Sigma) Log (RST)
 - o Multi-finger Casing Caliper Log
 - o Casing Collar and Perforating Record Logs
 - o Pressure/Temperature Log (Run 2)

C. Demonstrate mechanical integrity prior to operation

Once the appropriate completion fluid was spotted in this annular space (see description in section IX.B.6), the mechanical integrity was verified via a positive pressure test conducted on June 10, 2011 and witnessed by IEPA Regional Geologist, Jeff Turner, P.G. During the test, the annulus was pressurized to approximately 317 psig and, once stabilized, demonstrated less than 1 psig leak-off during the hour-long observation period, which is less than the prescribed maximum leak-off criteria of 3%. Please refer to File Box Appendix X.A-B for a plot of the results of the Mechanical Integrity Pressure Test. During the life of the well this same annulus will be pressure tested to at least 200 psig on an annual basis with a maximum of 3% leakoff allowed, as per the permit requirements.

In addition to demonstrating the mechanical integrity of the tubing-casing annulus, the integrity of the entire Westbay system was confirmed through a negative-pressure test. As per the permit requirements, the sealed Westbay completion assembly was to be tested to at least a 100 psi differential pressure and demonstrate no more than 3% leak-off over a one hour period. Such a test was conducted over approximately 20 hours from June 13 to June 14, 2011. In order to conduct the under balance test, the hydrostatic column in the well was reduced via nitrogen gas-lift through the gas-lift mandrel installed in the completion tubing at a depth of 1208 feet KB. The fluid column was successfully lowered to a depth of 1097 feet KB. A Westbay measurement probe was positioned at a depth of approximately 1550 feet KB in order to monitor the pressure throughout the duration of the test. The effective pressure under balance across the Westbay tubing at the position of the measurement probe was estimated to be 535 psi and of a comparable magnitude throughout the rest of the completion. The pressure was then monitored for approximately 20 hours, during which period the pressure was observed to change from 222.2 to 223.3 (1.1 psi), or less than 0.5% of the measured value. A plot of the results of the interior tubing test is included with the File Box Appendix X.A-B.

Finally, zonal isolation between the Westbay packers was verified in both the monitoring and QA zones by means of pre- and post-inflation pressure profile. A plot of the pre- and post-inflation pressure profiles is included in the File Box Appendix X.A-B. The pre-inflation profile reflects the mixed hydraulic head between the monitoring and QA zones when there is no zonal isolation; therefore, the pressure at each measurement point can be observed to lie along a common pressure gradient line. As each subsequent packer is inflated and as each zone is isolated (from deepest to shallowest), the hydrostatic influence of the underlying zone(s) is removed. Therefore, differences between the pre- and post-inflation pressure profiles provide confidence that, in fact, the packers are effectively isolating hydrostatic communication between each zone.

D. Copies of logs and tests listed above

Please see file boxes labeled Appendix X.A-B accompanying completion report for copies of geophysical logs and the results of the various test described above.

E. Description of well stimulation

No stimulation was required for the purpose of this well.

XI. Well Design and Construction

The depth intervals, outer and inner diameters, linear weight, grade, coupling type and coupling outer diameters, and thermal conductivity of the various strings of casing and tubing installed in the well are summarized below with appropriate units indicated. Please see Appendix XI for casing tally sheets and locations of casing centralizers.

A. Casings, see instructions

1. Conductive casing

N/A

2. Surface casing

Top Depth (feet): 0 Bottom Depth (feet): 367 O.D. (inch): 13.375 I.D. (inch): 12.615 Weight (lbs/ft): 54.50

Grade: J55

Coupling Type: STC Coupling O.D. (inch): 14.375

Thermal Conductivity (BTU/ft-hr-°F): 29.02

3. Intermediate casing(s)

Top Depth (feet): 0 Bottom Depth (feet): 5306 O.D. (inch): 9.625

I.D. (inch): 8.835 Weight (lbs/ft): 40

Grade: N-80

Coupling Type: LTC

Coupling O.D. (inch): 10.625

Thermal Conductivity (BTU/ft-hr-°F): 29.02

4. Long string casing

Top Section:

Top Depth (feet): 0

Bottom Depth (feet): 5056

O.D. (inch): 5.5 I.D. (inch): 4.892 Weight (lbs/ft): 17

Grade: J55

Coupling Type: LTC

Coupling O.D. (inch): 6.050

Thermal Conductivity (BTU/ft-hr-°F): 31

Bottom Section:

Top Depth (feet): 5056 Bottom Depth (feet): 7272

O.D. (inch): 5.5 I.D. (inch): 4.892 Weight (lbs/ft): 17.00

Grade: 13Cr85

Coupling Type: BEAR Coupling O.D. (inch): 6.050

Thermal Conductivity (BTU/ft-hr-°F): 16

5. Other casing

N/A

B. Tubing, see instructions

Production Tubing

Top Depth (feet): 0

Bottom Depth (feet): 4745

O.D. (inch): 2.875 I.D. (inch): 2.44 Weight (lbs/ft): 6.5

Grade: J-55

Coupling Type: EUE (min) Coupling O.D. (inch): 3.668

Thermal Conductivity (BTU/ft-hr-°F): 29.02

Westbay Tubing

Top Depth (feet): 4745 Bottom Depth (feet): 7128

O.D. (inch): 2.5 I.D. (inch): 2.26 Weight (lbs/ft): 3.12 Grade: 316L SS Coupling Type: pin-up/box (captive nut) down, with proprietary

Westbay/ACME thread Coupling O.D. (inch): 3.45

Thermal Conductivity (BTU/ft-hr-°F): 9.246

1. Maximum allowable suspended weight based on joint strength

Production Tubing: 99660 lbs (45205 kgs)

Westbay Tubing: 22000 lbs (9979 kgs)

2. Weight of injection tubing string (axial load) in air

Production Tubing: 30843 lbs (13990 kgs)

Westbay Tubing: 7466 lbs (3387 kgs)

C. Cement, see instructions

Details about the various cement blends used in each stage of the construction of ADM Verification Well #1, including the depth interval, type and grade, additives, quantity, thermal conductivity, and whether or not the cement was circulated to surface, are summarized in the following sections with the appropriate units indicated.

1. Conductive casing

N/A

2. Surface casing(s)

Depth Interval (feet): 0 – 377 Type/Grade (Lead): Class A

Additives (Lead): Accelerator, LSCM

Quantity (Lead) (sk): 366

Type/Grade (Tail): Class A Additives (Tail): Accelerator, LSCM Quantity (Tail) (cubic yards): 365

Circulated: Yes

Thermal Conductivity (BTU/ft-hr-°F): 0.73

3. Intermediate casing

Stage 1:

Depth Interval (feet): 3692 – 5322 Type/Grade (Lead): Class H Additives (Lead):

Additives			
Code	Conc.	Function	
D047	0.020 gal/sk blend	Antifoam	

Quantity (Lead) (sk): 353.4

Circulated: Yes

Thermal Conductivity (BTU/ft-hr-°F): 0.54

Type/Grade (Slurry): Class H Additives (Tail):

Additives		
Code Conc.		Function
D047	0.020 gal/sk blend	Antifoam

Quantity (Slurry) (sk): 348.13

Circulated: Yes

Thermal Conductivity (BTU/ft-hr-°F): 0.74

Stage 2:

Depth Interval (feet): 0 – 3692 Type/Grade (Lead): 35:65 Poz:H Additives (Lead):

Additive	Additives				
Code	Conc.	Function			
D020	4.000 %BWOB	Extender			
D079	0.400 %BWOB	Extender			
D046	0.200 %BWOB	Antifoam			
D167	0.400 %BWOB	Fluid loss			
D042	5.000 lb/sk blend	LCM/extender			
D044	10.000 %BWOW	Salt			
D065	0.350 %BWOB	Dispersant			

Quantity (Lead) (sk): 979.2

Circulated: Yes

Thermal Conductivity (BTU/ft-hr-°F): 0.54

Type/Grade (Tail): Class H Additives (Tail):

Additives			
Code	Conc.	Function	
D047	0.020 gal/sk blend	Antifoam	

Quantity (Tail) (sk): 99.57

Circulated: Yes

Thermal Conductivity (BTU/ft-hr-°F): 0.74

4. Long string casing

Depth Interval (feet): 0 – 4950 Type/Grade (Lead): 35:65 Poz:H

Additives (Lead):

Additives		
Code	Conc.	Function
D020	6.000 %BWOB	Extender
D046	0.200 %BWOB	Antifoam
D167	0.400 %BWOB	Fluid loss
D153	0.300 %BWOB	Antisettling
D079	0.175 %BWOB	Extender

Quantity (Lead) (sk): 725.18

Circulated: Yes

Thermal Conductivity (BTU/ft-hr-°F): 0.75

Depth Interval (feet): 4950-7272 Type/Grade (Tail): EverCRETE

Additives (Tail):

Additive	es	
Code	Conc.	Function
D174	10.000 %BWOC	Expanding ce
D206	0.050 gal/sk blend	Antifoam
D145A	0.100 gal/sk blend	Dispersant
D500	0.400 gal/sk blend	GASBLOK LT
D177	0.020 gal/sk blend	Retarder

Quantity (Tail) (sk): 800.71

Circulated: Yes

Thermal Conductivity (BTU/ft-hr-°F): 0.75

5. Other casing

N/A

XII. Surface Facilities, see instructions

Verification Well #1 will not be used for injection and therefore there are no surface facilities or injection-related equipment affiliated with this well.

A. Filters(s)

N/A

B. Injection pump(s)

N/A

XIII. Hydrogeologic Information

A. Revised UIC Form 4a

Revised UIC Form 4a can be referenced in the Completion Report filed for the injection well CCS #1 (Frommelt, 2010).

B. Revised UIC Form 4d using actual data on injection formation

Revised UIC Form 4d can be referenced in the Completion Report filed for the injection well CCS #1 (Frommelt, 2010).

C. Revised UIC Form 4g

Please see Revised UIC Form 4g included as Appendix XIII.C.

D. Copy of well completion report submitted to the Department of Natural Resources (Formerly Mines and Minerals)

Please see attached copy of well completion report submitted to the DNR included as Appendix XIII.D.

E. Copy of any plugging affidavits on injection well filed with Department of Natural Resources

N/A

XIV. Injection Fluid Compatibility, see instructions

The verification well will not inject CO_2 however it is anticipated that it will come in contact with CO_2 from the nearby injection well.

A. Compatibility with injection zones fluid

Please refer to the discussion included in the Completion Report for the injection well CCS #1 (Frommelt, 2010).

B. Compatibility with minerals in the injection zone

Please refer to the discussion included in the Completion Report for the injection well CCS #1 (Frommelt, 2010).

C. Compatibility with minerals in confining zone

Please refer to the discussion included in the Completion Report for the injection well CCS #1 (Frommelt, 2010).

D. Compatibility with injection well components

1. Injection tubing

The Verification Well #1 is not intended for either injection or production; however, it has been designed with stainless steel components that are resistant to corrosion from exposure to CO_2 -brine mixtures. The only place the Westbay tubing may come in contact with the CO_2 is at the perforated intervals and there are no compatibility issues expected.

2. Long string casing

As per the design specifications approved under the UIC Permit No. UIC-012-ADM, a portion of the long string casing installed from total depth of the well past the base of the confining layer (to a depth of 5056') is composed of chrome steel (13CR85) and is specifically engineered to function in environments with high concentrations of CO₂. The long string casing in the remainder of the well (5056' to surface) is carbon steel. Reactivity between the injected CO₂ and the long string casing is expected to be negligible.

3. Cement

As specified under UIC Permit No. UIC-012-ADM, the long string casing is encased from total depth to approximately 4950 feet (or approximately 370 feet into the intermediate casing string) in Schlumberger's proprietary blend of CO₂-resistant cement, EverCRETE. Technical descriptions of the cement properties can be found in the original permit application (Chapter 9: UIC Form 4f, Section V, pages 135-139) and accompanying appendices. Reactivity between the injected CO₂ and the cement is expected to be negligible.

4. Annular fluid

The annular fluid between the injection tubing and the long string casing above the shallowest Westbay packer is a 9.4 lb/gal sodium chloride brine with Nalco Adomite ASP 539D corrosion inhibitor. Reactivity between the injected CO₂ and the annular fluid is

expected to be negligible.

5. Packer(s)

The packers installed are a Westbay MP55 are manufactured from 316/316L stainless steel and incorporate a reinforced rubber gland made of Hydrogenated Nitrile Butadiene Rubber (HNBR) and a pressure balanced inflation/deflation valve mounted on a stainless steel mandrel. The Westbay MP55 packers are CO₂ resistant and as a result will not be impacted by the injected CO₂.

6. Well head equipment

Due to the isolation provided by the Westbay completion, components of the wellhead equipment will not be in contact with the injected CO_2 ; therefore, no adverse reactions are expected between the injected CO_2 and any of the wellhead components.

7. $Holding\ tank(s)$ and flow lines

Verification Well #1 is not used for injection and therefore will not possess holding tanks and flow lines for CO₂ injection.

E. Full description of compatibility of injection fluid with items A-D

In summary, Verification Well #1 is not used for injection or production and there are no compatibility concerns with the injection zone, minerals in the injection zone, and minerals in the confining zone. The CO_2 is expected to have negligible to no reaction with the minerals and formation water. Any reactions that may occur are not expected to affect the containment of the CO_2 below the primary seal. In addition, the materials from which the Westbay completion system is constructed are fit-for-purpose and designed to be resistant to adverse reactions with CO_2 and CO_2 -brine mixtures.

XV. Monitoring Program, see instructions

Details of the various process monitoring sensors and gauges are summarized below and include the location of the device, the brand and model number, the device type (electrical or mechanical), and whether or not the device is continuously recording.

A. Pressure Monitoring gauge(s)

<u>Surface Pressure Gauge</u>: Monitoring tag name to be determined (PIT-XX) <u>Location</u>: Installed directly into the Verification Well #1 wellhead tree cap port

Make / Model: ABB Model 266GSH-U Type: Electrical; Continuous Recording

Operating Range (psig): 0 – 435; this exceeds maximum operating range

of system by more than 20%

Downhole Pressure Gauges: Westbay MOSDAX System

Pressure/Temperature Probe Model 2580

<u>Location</u>: There are a total of 11 measuring ports and 1 QA/QC port in the well as displayed below in Table 4.

Table 4: Measurement Port Depths

Measurement Port	Depth	Measurement Port	Depth
1	7060.6	7	6415.6
2	6982.4	8	5839.8
3	6945.0	9	5653.3
4	6837.3	QA/QC	5482.0
5	6719.7	10	5001.1
6	6631.7	11	4917.0

<u>Make / Model</u>: Westbay MOSDAX System Pressure/Temperature Probe Model 2580

<u>Type</u>: Electrical; Continuous Recording

Operating Range (psig): 0 - 5,000; this exceeds maximum operating range of the system by more than 20%

B. Casing-tubing annular pressure gauge(s)

For additional details on the Annulus Protection System, refer to the description included as Appendix IX.A.

<u>Surface Pressure Gauge</u>: Monitoring tag name to be determined (PIT-XX) <u>Location</u>: Mounted on the Verification Well #1 wellhead port open to the casing-tubing annulus.

Make / Model: ABB Model 266GSH-U Type: Electrical; Continuous Recording

Operating Range (psig): 0 - 435; this exceeds maximum operating range of system by more than 20%

C. Flow meter(s)

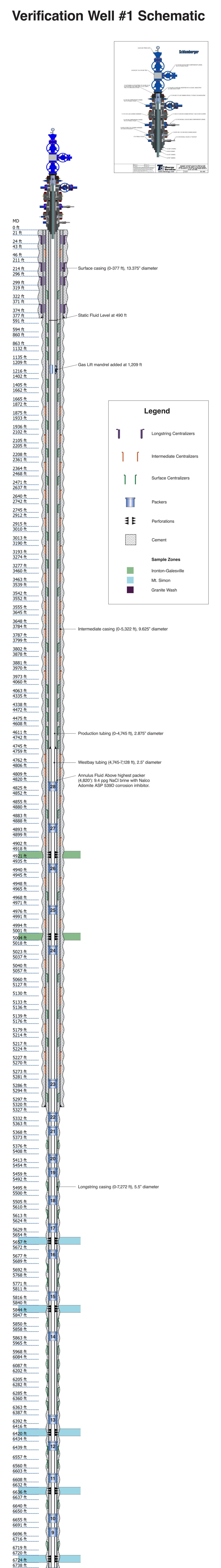
N/A

D. pH recording device(s)

N/A

E. Temperature

<u>Downhole Temperature Gauges</u>: Westbay MOSDAX System Pressure/Temperature Probe Model 2580





6743 ft

6794 ft

6797 ft

6808 ft

6813 ft

6837 ft

6841 ft

6856 ft

6861 ft

6911 ft

6914 ft

6916 ft

6921 ft

6946 ft

6949 ft

6953 ft

6958 ft

6983 ft

69**87** ft

6990 ft

6993 ft

7001 ft

7006 ft

7032 ft

7037 ft

7061 ft

7064 ft

7079 ft

7084 ft

7128 ft

7149 ft

7152 ft

7155 ft

7230 ft

7233 ft

7272 ft



Appendix IX. – Contractor Morning Reports, Drilling Mechanics Log, and Daily Completion as Built Reports

PI	ONE	ER OI	LFIEL	D SEF	VICES	, LL	С			N	1OR	NIN	NG R	EPOF	RT.	DATE 201 (0092	4	RIG N	0. 30	B TYPE	30	OB NO.		WE	ELL TYPE	
WE	LLNAME DM MN	<u> </u>				•			LE	GAL DESC						1 -0 1		SPUD D	ATE / TII			D/ 1	AYS FR SI	PUD	PR	OJECTED	TD
	ERATOR		DANIEL	. MIDLA	ND)					OUNTY / PA	ARISH					STATI	E		ART DAT 5-10 1			9	AYS ON J	ОВ	ES	ST. RELEA	SE
RIG	MANAG	SER			R		NE NUMB			PERATORS	S REPR	ESENTA	ATIVE	СО	. MAN P	H NO.		RELEAS	SE DATE	/TIME			EATHER AIN				
		IS @ REPO	ORT TIME											1				NS NEXT : 7 1/2 SU		CE		1					
	ACCIDE NONE		NEAR MIS	SES:								4	# OF JSA'	s RIG	SAFETY	DAYS		ETY RATE		G.P.S.	COORD 8796 W			BOP T	TEST DA	TE / PRES	SURE
FETY	SAFET	Y MEETING		NG/HE\	/Y EQUI	PMEN	IT						# STOP C	ARDS LAS	T MEET	ING DATI	Ē				N-O-MATI				DRILL D	ATE / TIME	<u> </u>
SAI		NSPECTIO			BY / TITLE			EW M/L	J	EXT	TRA CR	EWS /	WHY?	0,2			0	FFICE NO	TIFIED		OURS PAS	ST 24		ВОР	DRILL DA	ATE / TIME	<u> </u>
		NT DEPTH		GE LAST	24 PEN. R		ROT. H		MAX. C	GAS B	CKGR (GAS	CONN. GA	S TRIP G	AS	LAST C	ASING	SIZE & S	ET DEPT					RIC	G CO	STS	
OPS	165 HOOKLO	OAD		CKUP WE	9.04 1	SLA	18.25 CKOFF	1	ROTA	ATING		RO	TARY TOR	QUE		NEXT C.		SIZE & S	ET DEPT 350	Н		DAIL	v	5	S & R	R	ENTAL
	23 Time		2: Vt IN / OU	Funne	l Vis PV	23 Y	LD PT 1	0 S GEL	23 10 M GE	EL FI. Lo	ss F	ILT CK	HTHP F	L HTTP I		13 3/0		EL ADDE	TO MUI				RAGE	0.00	`	0.00	<u> </u>
	0530 Mud Typ	9.2 pe	9	68 6 SOLIDS	% LCM %	SAND	% OIL	% H2O	рН	MF	PF	=	CALCIUM	CHLORIDI		TODAY		MUD CO					ULATIVE				
MUD	GEL CENTRI	IFUGES				SHAKER				<u> </u>			REENS			DAILY CHANGI	ED		CUM. (E		ULATIVE	0.00	,	0.00	,
	FROM	ТО	HRS	CODE		IATIO	NAL			DET	TAILS C	21 OF OPER		N SEQUENC	Ē				HYD			DAYS	TIME BRI	1.0	WN	1.0	// Well)
	700	730	0.5	1	RIG UP		AND MC	NICE I	UOL F														1: RIG U	P / DO\	ΝN	0.5	0.5
	730 1130	1130 1230	4.0 1.0	2 21	DRILL MAKE	UP 17	1/2 BIT	Γ															2: DRILL 3: REAN	IING		18.25	18.25
	1230 1315	1315 1330	0.75 0.25	2 8	DRILL REPAIR					T OF K	ELI Y	SPIN	INERS									- .	4: CORII	. & CIF	RC		
	1330	1500	1.5	21	TIGHTS	EN K	ELLY/E					IIV											6: TRIPS 7: LUBR				
	1500 2300	2300 2315		2	DRILL A																		8: REPA 9: C/O D			2.75	2.75
	2315 0000	0000	_	8	REPAIR DRILL			IRU PI	UMP													- - 1	10: DEV	ATION			
90.	0030	0100	0.5	8	REPAIR	RIG	GO TH	IRU PL	JMP														12: RUN 13: WAI	CSG &	CMNT		
]:	0100 0430	0430 0545		2 8	DRILL REPAIR			IRU PL	<u>JM</u> P														14: NIPF	LE UP			
Ξ	0545	0700		2	DRILL																	<u> </u>	16: DRIL	L STEN			
																							17: PLU	EEZE			
																							19: FISH 20: DIR.				
																										2.5	2.5
																						\blacksquare	OTHER				
																							Total H	ours		24.0	24.0
S	BIT#	17 1/	2 QD		HTC	IAKE		SERIAL 21321	6)	X14/1X16		ES		IN @ 0	OU	T @	DF	RILLED	HRS	5	CUM. HR	RS		CON	IDITION		ROP
BITS	1	17 1/			HTC			21321 21321		X14/1X16				0													
	1	17 1/	2 QDS	507	HTC		10	21321	07	X14/1X16				0													
	1					_	Pump 1		Pump			mp 3		ımp 4		ТҮ	YPE	STROK	E Ma	0.0		RS	Total HRS	S MAX	K PSI K	SPR ill Rate K	ILL (SPM)
MPS		Depth		GPM	PRESSUR	L	Pump 1	1 SPM L		p 2		mp 3	Pt	ımp 4		1 Q-Z9	9	9IN	N/A	nufactu		0	0.00	S MA)	(PSI K	SPR ill Rate	IILL (SPM)
PUMPS	0 - 44 44 - 13	Depth		GPM .		6 6	Pump 1	1 SPM L	Pump Liner	p 2	Pur		Pt	ımp 4	Pump Pump	1 Q-Z9 2 Q-Z9 3	9			nufactu		().00).00).00	S MA)	K PSI K	SPR ill Rate	ILL (SPM)
	0 - 44 44 - 13 137 - 1	Depth 37 165		GPM .	PRESSUR 50 100	6 6 6	Pump 1	1 SPM L 0 0 6	Pump Liner	SPM 100	Pur	SPN	Pt	ımp 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN	N/A	nufactu		().00).00			SPR ill Rate	ILL (SPM)
STRG	0 - 44 44 - 13 137 - 1	Depth 37 165		GPM	PRESSUR 50 100	6 6 6	Pump 1	1 SPM L 0 0 6	Pum; _iner	SPM 100	Pur Liner	SPN	Pu 1 Line	ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N/A	nufactu		(0.00 0.00 0.00 0.00			SPR ill Rate	ILL (SPM)
STRG	0 - 44 44 - 13 137 - 1	Depth 37 165		GPM	PRESSUR 50 100	6 6 6	Pump 1	1 SPM L 0 0 6	Pum; _iner	SPM 100	Pur Liner	SPN	Pu 1 Line	ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N/A	nufactu		(0.00 0.00 0.00 0.00			SPR KIII Rate	ILL (SPM)
	0 - 44 44 - 13 137 - 1	Depth 37 165 E		GPM	PRESSUR 50 100	6 6 6	Pump 1	1 SPM L 0 0 6	Pum; _iner	SPM 100	Pur Liner	SPN	Pu 1 Line ENGTH	IN HOLE	Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN	N/A N/A	nufactu A	urer H	(C)	0.00 0.00 0.00 0.00 LL STRING	S REMA	ARKS	SPR K	
DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH	Depth 37 65 EE		GPM	PRESSUR 50 100	6 6 6	Pump 1	1 SPM L 0 0 6	Pum; _iner	SPM 100	Pur Liner	SPN	Pu 1 Line ENGTH	ump 4	Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN	N/A	nufactu		(C)	0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	
DRLLSTRG	0 - 44 44 - 13 137 - 1 8 INCH LOCATI Co. No. HRS TO	Depth 37 165 2E H JON DDAY N WELL		GPM	PRESSUR 50 100	6 6 6	Pump 1	1 SPM L 0 0 6	Pum; _iner	SPM 100	Pur Liner	L NO.	Pu Line ENGTH	IN HOLE	Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN	N/A N/A	I.D.	LENG	(C)	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	ΕΥS
STRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH	Depth 37 165 ZE		GPM	PRESSUR 50 100	6 6 6	Pump 1	1 SPM L 0 0 6	Pum; _iner	SPM 100	Pur Liner	L NO.	Pu Line ENGTH	IN HOLE	Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN	N/A N/A	I.D.	LENG	(C)	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	ΕΥS
ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA	Depth 37 165 ZE H DDAY N WELL AST CHGE GE KVA	WEIGHT	GPM S	PRESSUR 50 100 E I.D.	6 6	Pump 1 iner S 10 10 10 10	1 SPM L 0 0 6	Pumpiner	SPM 100	Pur Liner	L NO.	Pu Line ENGTH	IN HOLE	Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN	N/A N/A	I.D.	LENG	(C)	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	ΕΥS
ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To	Depth 37 65 EE	WEIGHT	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D.	6 6 6 1	Pump 1	1	Pumpiner	p 2 SPM 100 # J	Pur Liner	L NO.	Pu Line ENGTH	IN HOLE	Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN	N/A N/A	I.D.	LENG	(C)	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	ΕΥS
DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To	Depth 37 165 ZE H ION DDAY N WELL ST CHGE GE KVA ERED TODA Today This Well	WEIGHT	GPM	PRESSUR 50 100 E I.D.	80 ER W B B B B B B B B B	Pump 1 iner \$ 10 10 10 TJ O.D. DDAY ELL OILER #	1	Pumpiner	p 2 SPM 100 # J	Pur Liner	L NO.	Pu Line ENGTH	IN HOLE	Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN	N/A N/A	I.D.	LENG	(C)	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	ΕΥS
RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 60 100 E I.D.	BOILER	Pump 1 iner \$ 10 10 10 10 DDAY ELL DILER # LOWDOWN DLUMES	1	Pump_iner READ	P 2 SPM 100 # J	Pur Liner	L NO.	Pu Line ENGTH	IN HOLE	Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN	N/A N/A	I.D.	LENG	(C)	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	ΕΥS
RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 165 2E 1 ION DDAY N WELL AST CHGE GE KVA ERED TODA Today This Well rand	WEIGHT	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D.	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 TJ O.D. DDAY ELL DILER #	1	Pump-iner READ	p 2 SPM 100 # J	Pur Liner	L NO.	Pu Line ENGTH	IN HOLE	Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN	N/A N/A	I.D.	LENG	(C)	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	ΕΥS
ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D.	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 10 DDAY FELL DILER # LOWDOWN DLUMES UM.	HOUF	Pump-iner READ	P 2 SPM 100 # J FUEL US	Pur Liner	L NO.	Pu Line ENGTH	IN HOLE	Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN	N/A N/A	I.D.	LENG	(C)	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	ΕΥS
RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT AY HRS LA 24	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D. O D TOTAL HRS	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 10 DDAY FELL DILER # LOWDOWN DLUMES UM.	HOUF	Pump-iner READ	FUEL US	Pur Liner	L NO.	Pu Line ENGTH	IN HOLE	Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN	N/A N/A	I.D.	LENG	(C)	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	ΕΥS
MUD MTR RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT AY HRS LA 24	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D. O D TOTAL HRS	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 10 DDAY FELL DILER # LOWDOWN DLUMES UM.	HOUF	Pump-iner READ	FUEL US	Pur Liner JNTS	L NO.	Pu Line ENGTH	IN HOLE	Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN	N/A N/A	I.D.	LENG	(C)	0.00 0.00 0.00 0.00 0.00 LL STRING	DEVIA TH	ATION	SURVI	ΕΥS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT AY HRS LA 24	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D. O D TOTAL HRS	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 10 DDAY FELL DILER # LOWDOWN DLUMES UM.	HOUF	Pump-iner READ	FUEL US	Pur Liner JNTS	L NO.	DR D.C.	IN HOLE	Pump Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N/A N/A O.D. 8IN	I.D.	LENG	(C)	0.00 0.00 0.00 0.00 0.00 LL STRING	DEVIA TH	ARKS	SURVI	ΕΥS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT AY HRS LA 24	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D. O D TOTAL HRS	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 10 DDAY FELL DILER # LOWDOWN DLUMES UM.	HOUF	Pump-iner READ	FUEL US	Pur Liner JNTS	NO. 3	DR D.C.	IN HOLE	Pump Pump Pump ON	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN	N/A N/A O.D. 8IN	I.D. 2.81	LENG 92.71	(C)	0.00 0.00 0.00 0.00 0.00 LL STRING	DEVIA TH	ATION	SURVI	ΕΥS
MUD MTR RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT AY HRS LA 24	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D. O D TOTAL HRS	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 10 DDAY FELL DILER # LOWDOWN DLUMES UM.	HOUF	Pump-iner READ	FUEL US	Pur Liner JNTS	NO. 3	DR D.C.	IN HOLE IN HOLE IN HOLE IN HOLE	Pump Pump Pump Pump IPE	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N/A N/A O.D. 8IN	I.D. 2.81	LENG 92.71	(C)	0.00 0.00 0.00 0.00 0.00 LL STRING	DEVIA TH	ATION	SURVI	ΕΥS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT AY HRS LA 24	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D. O D TOTAL HRS	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 10 DDAY FELL DILER # LOWDOWN DLUMES UM.	HOUF	Pump-iner READ	FUEL US	Pur Liner JNTS	NO. 3	DR D.C.	IN HOLE	Pump Pump Pump Pump IPE	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N/A N/A O.D. 8IN	I.D. 2.81	LENG 92.71	DRIII	0.00 0.00 0.00 0.00 0.00 LL STRING	DEVIATH	ATION	SURVI	ΕΥS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT AY HRS LA 24	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D. O D TOTAL HRS	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 10 DDAY FELL DILER # LOWDOWN DLUMES UM.	HOUF	Pump-iner READ	FUEL US	Pur Liner JNTS	NO. 3	DR D.C.	IN HOLE IN HOLE IN HOLE IN HOLE	Pump Pump Pump Pump IPE	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN EEPAIRS	O.D. 8IN NDS GLES	I.D. 2.81 138.: 230.:	LENG 92.71 16 87	TH DRIII	DEPTH CODE	DEVIA	ATION	SURVI	ΕΥS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT AY HRS LA 24	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D. O D TOTAL HRS	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 10 DDAY FELL DILER # LOWDOWN DLUMES UM.	HOUF	Pump-iner READ	FUEL US	Pur Liner JNTS	NO. 3	DR D.C.	IN HOLE IN HOLE IN HOLE IN HOLE	Pump Pump Pump Pump IPE	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN EEPAIRS	O.D. 8IN NDS GLES	I.D. 2.81 138.2 230.3 18.29	LENG 92.71 16 87	TH DRIII	DEPTH CODE DODO DODO	DEVIA	ATION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT AY HRS LA 24	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D. O D TOTAL HRS	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 10 DDAY FELL DILER # LOWDOWN DLUMES UM.	HOUF	Pump-iner READ	FUEL US	Pur Liner JNTS	NO. 3	DR D.C.	IN HOLE IN HOLE IN HOLE IN HOLE	Pump Pump Pump Pump IPE	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN EEPAIRS	O.D. 8IN NDS GLES	I.D. 2.81 138.: 230.:	LENG 92.71 16 87 5	TH DRIII	DEPTH CODE DODO DODO	DEVIATH BRIDE	ATION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT AY HRS LA 24	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D. O D TOTAL HRS	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 10 DDAY FELL DILER # LOWDOWN DLUMES UM.	HOUF	Pump-iner READ	FUEL US	Pur Liner JNTS	NO. KELLY TOTAL WT of	DR D.C.	IN HOLE IN HOLE IN HOLE IN HOLE	Pump Pump Pump Pump IPE	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N/A	I.D. 2.81 138.: 230.:	LENG 92.71 16 87 5	TH DRIII	DEPTH CODE DODO DODO	DEVIATH BRIDE	ATION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT AY HRS LA 24	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D. O D TOTAL HRS	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 10 DDAY FELL DILER # LOWDOWN DLUMES UM.	HOUF	Pump-iner READ	FUEL US	Pur Liner JNTS	NO. KELLY TOTAL WT of	DR D.C.	IN HOLE IN HOLE IN HOLE IN HOLE	Pump Pump Pump Pump IPE	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N/A	I.D. 2.81 138.: 230.:	LENG 92.71 16 87 5	TH DRIII	DEPTH CODE D.00 D.00 D.00 D.00 D.00 D.00 D.00 D.	DEVIATH BRIDE	ATION	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	0 - 44 44 - 13 137 - 1 SIZ 8 INCH LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used To Used To Fuel Br DISTRIE	Depth 37 65 EE	WEIGHT AY HRS LA 24	GPM 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 50 100 E I.D. O D TOTAL HRS	BOILER 10 10 10 10 10 10 10 1	Pump 1 iner \$ 10 10 10 10 DDAY FELL DILER # LOWDOWN DLUMES UM.	HOUF	Pump-iner READ	FUEL US	Pur Liner JNTS	NO. KELLY TOTAL WT of	DR D.C.	IN HOLE IN HOLE IN HOLE IN HOLE	Pump Pump Pump Pump IPE	1 Q-ZS 2 Q-ZS 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N/A	I.D. 2.81 138.: 230.:	LENG 92.71 16 87 5	TH DRIII	DEPTH CODE D.00 D.00 D.00 D.00 D.00 D.00 D.00 D.	DEVIATH BRIDE	ATION	SURVI	EYS

Р	IO	NEER O	ILFIEI	D SEF	RVICES	8. L	LC				MOI	RNI	NG R	EPOR	Т	DATE 2010	00925	RIG 15	NO.	ОВ ТҮРЕ	J	OB NO.		WEL	L TYPE	
WE	ELLN	NAME M MMV #1				-, -				LEGAL	DESCRIPT		110 11	LI OI	<u> </u>	2010	SPU	15 D DATE / 1 23-10			D/ 2	AYS FR SF	PUD	PRO	JECTED	TD
ОР	PERA	ATOR I (ARCHER	DANIE	I MIDI A	VND)					COUNT	Y / PARISH	<u> </u>				STATE	ЈОВ	25-10 START DA 1 5-10	TE			AYS ON JO	ОВ	EST	. RELEAS	SE
RIC	G MA	ANAGER	DANIE	L WIIDLA	, F		ONE NUM				TORS REP	RESENT	ΓATIVE	СО	MAN PI			EASE DAT			w	EATHER				
_		VOOD ATIONS @ REP	ORT TIME			518-9)43 - 005	3								OPER	ATIONS NEX	T 24 HRS			[R	AIN				
	A	CCIDENTS OF	NEAR MI	SSES:									# OF JSA	's RIG	SAFETY		L 17 1/2 SAFETY RA			S. COORD	DINATE	S	BOP TE	ST DATE	E / PRESS	SURE
∠	SA	AFETY MEETIN	IG TOPICS										# STOP C	APDS LAS	T MEETI	NG DATE	<u> </u>		N 39	0.8796 W	V -88	.8934	N/A		TE / TIME	
SAFETY		AST INSPECTION		SPECTION	RV / TITI E		10	CREW N	M / II		EXTRA C	DEWS /			4AT70			NOTIFIED	YES						TE / TIME	
တ		AST INSPECTIO		SPECTION	BI / IIILL			>1\C_4\	VI / O		EXINA C	,KLWO /	WIII:				OFFICE	NOTH IED	104.		31 24					•
S		JRRENT DEPTI	F00 ¹	AGE LAST	24 PEN. I		ROT 23.5	. HRS 5	MA	AX. GAS	BCKGR	R GAS	CONN. GA	AS TRIP G	AS	LAST CA	ASING SIZE 8	SET DEP	TH				RIG s 8	COS	_	ENTAL
OPS	но 23	OOKLOAD 3		PICKUP WE	IGHT	SL 23	ACKOFF			OTATING	i	RC	TARY TOR	QUE		NEXT CA	ASING SIZE	SET DEF	PTH		DAIL	Y		<u> </u>		
	Tin		Wt IN / O		el Vis PV		YLD PT	10 S G			l. Loss	FILT C	K HTHP F	L HTTP I			FUEL ADD				AVE	RAGE	0.00		0.00	<u> </u>
MUD		ud Type		% SOLIDS	% LCM %	6 SAN	D % OIL	_ % F	120	pH	MF F	PF	CALCIUM	I CHLORIDI	S	TODAY	MUD	CUM.				ULATIVE	0.00		0.00	
E	CE	EL ENTRIFUGES				-	ER TYPE			l			REENS			DAILY CHANGE	ED .		R SOUR	CE	СПМІ	JLATIVE				
	F	ROM TO	HRS	CODE	1	ITA	ONAL				DETAILS		10	IN SEQUENCI				HYD			DAYS	TIME BRE	2.0	/N I	2.0	/ Well)
	70	00 800	1.0	2							TO 169		LINATIONS	IN SEQUENCE	_							1: RIG U		N		0.5
	83		0.5 6.5	10	DEVIA DRILL					•												2: DRILL 3: REAM		2	23.5	41.75
	15	500 2300	8.0	2	DRILL																	4: CORIN	IG			
		300 300 0700	0.0 8.0	2	DRILL	SUR	FACF	FRO	M 293	TO 35	i2										 :	6: TRIPS				
	Ĕ	2 0100				. UIV																7: LUBRI 8: REPA	IR RIG			2.75
	\vdash																					9: C/O D 10: DEVI).5	0.5
(D	F																					11: WIRE	LINE LO			
100 100	\vdash																				 :	13: WAIT	ON CEM	MENT		
TIME LOG	F																					14: NIPP 15: TEST		OP		
	H																					16: DRIL 17: PLUC		TEST		
																						18: SQU 19: FISH		TAN		
																						20: DIR.				2.5
																										2.5
																					_	OTHER Total H).0 24.0	48.0
	1	BIT# S	ZE QE	TYPE 0507	HTC	IAKE	1	SER 702132	RIAL#	6X14/	NOZZ 1X16	ZLES		IN @ 0	OU	T @	DRILLED	HF	_	CUM. HF	RS		CONDI	ITION		ROP
BITS	1	17 1		507	HTC		7	702132	21	6X14/	1X16			0					0.	.00						
														_												
	1	17 1	/2 QE	507	HTC		- '	702132	21	6X14/	1X16			0						.00						
	Ë	17 1 Depth	/2 QE	9507 GРМ	PRESSUE	RE -	Pum	p 1	Р	ump 2	Pı	ump 3	-	ump 4	Pump	1 O-79			0. anufac	.00		Total HRS	6 MAX F	PSI Kill	PR Rate KI	LL (SPM)
	Ë	Depth 65 - 229	/2 QE	GPM	PRESSUR		Pum Liner	p 1 SPM 122	Line	Pump 2 er SPI	Pu M Line		-	ump 4		1 Q-Z9 2 Q-Z9	9IN	OKE M:	0. anufac	.00	().00).00	MAX F	PSI Kill	PR Rate KI	LL (SPM)
PUMPS	16 22	Depth	/2 QE	GPM (Pum Liner	p 1 SPM	Р	ump 2	Pu M Line		-	ump 4		1 Q-Z9 2 Q-Z9 3	9IN	N/	0. anufac	.00	(0.00	6 MAX F	PSI Kill	PR Rate KI	LL (SPM)
PUMPS	16 22 29	Depth 65 - 229 29 - 293	/2 QE	GPM (PRESSUF		Pum Liner	p 1 SPM 122 122	Line	Pump 2 Pump 2 Pump 101	Pu M Line	r SP	-	ump 4	Pump	1 Q-Z9 2 Q-Z9 3	9IN	N/	0. anufac	.00	().00).00).00			PR Rate KI	LL (SPM)
STRG PUMPS	16 22 29	Depth 65 - 229 29 - 293 93 - 352		GPM (PRESSUF		Pum Liner 6 ,	p 1 SPM 122 122	Line 6	Pump 2 Pump 2 Pump 101	Pu M Line	r SP	M Line	ump 4	Pump	1 Q-Z9 2 Q-Z9 3 4	9IN 9IN	N/	0. anufac	.00	(0.00 0.00 0.00 0.00			PR Rate KI	LL (SPM)
STRG PUMPS	16 22 29	Depth 65 - 229 29 - 293 93 - 352		GPM (PRESSUF		Pum Liner 6 ,	p 1 SPM 122 122	Line 6	Pump 2 Pump 2 Pump 101	Pu M Line	r SP	M Line	ump 4	Pump	1 Q-Z9 2 Q-Z9 3 4	9IN 9IN	N/	0. anufac	.00	(0.00 0.00 0.00 0.00			PR Rate KI	LL (SPM)
PUMPS	16 22 29	Depth 65 - 229 29 - 293 93 - 352 SIZE		GPM (PRESSUF		Pum Liner 6 ,	p 1 SPM 122 122	Line 6	Pump 2 Pump 2 Pump 101	Pu M Line	r SP	M Line	ump 4 Pr SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	9IN 9IN REPAIR	N/ N/	0. anufac /A	00 turer H	(((DRII	0.00 0.00 0.00 0.00 LL STRING	REMAR	RKS		
DRLLSTRG PUMPS	16 22 29	Depth 65 - 229 29 - 293 93 - 352 SIZE DOCATION 0. No.		GPM (PRESSUF		Pum Liner 6 ,	p 1 SPM 122 122	Line 6	Pump 2 Pump 2 Pump 101	Pu M Line	r SP	M Line	ump 4	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	9IN 9IN REPAIR	S O.D.	0. anufac /A	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	B REMAR	RKS	SURVE	
DRLLSTRG PUMPS	16 22 29	Depth 65 - 229 29 - 293 93 - 352 SIZE		GPM (PRESSUF		Pum Liner 6 ,	p 1 SPM 122 122	Line 6	Pump 2 Pump 2 Pump 101	Pu M Line	r SP	M Line	ump 4 Pr SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	9IN 9IN REPAIR	S O.D.	anufact/A	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT	RKS	SURVE	EYS
STRG PUMPS	16 22 29 LO Co HR HR	Depth 65 - 229 29 - 293 93 - 352 SIZE DCATION D. No. RS TODAY RS ON WELL RS LAST CHGE	WEIGHT	GPM (PRESSUF		Pum Liner 6 ,	p 1 SPM 122 122	Line 6	Pump 2 Pump 2 Pump 101	Pu M Line	NO.	M Line	ump 4 Pr SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	9IN 9IN REPAIR	S O.D.	anufact/A	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT	RKS	SURVE	EYS
DRLLSTRG PUMPS	16 22 29 LO Co HR HR AV	Depth 65 - 229 29 - 293 93 - 352 SIZE DCATION D. No. RS TODAY RS ON WELL	WEIGHT	GPM (PRESSUF		Pum Liner 6 ,	p 1 SPM 122 122	Line 6 6 THREA	Pump 2 Pr SPI	# JNTS	NO.	M Line	ump 4 Pr SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	9IN 9IN REPAIR	S O.D.	anufact/A	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT	RKS	SURVE	EYS
ENGINES DRLLSTRG PUMPS	16 22 29 LO Co HR HR AV	Depth 65 - 229 29 - 293 33 - 352 SIZE DOCATION DO. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD In Hand	WEIGHT	GPM GRAD 946.00	PRESSUF		Pum Liner 6 6 7 6 7 TJ O.D.	p 1 SPM 122 122	Line 6	Pump 2 Pr SPI	Pu M Line	NO.	M Line	ump 4 Pr SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	9IN 9IN REPAIR	S O.D.	anufact/A	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT	RKS	SURVE	EYS
ENGINES DRLLSTRG PUMPS	16 22 29 LO Co HR HR AV	Depth 65 - 229 29 - 293 93 - 352 SIZE DCATION D. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD	WEIGHT	GRAD	PRESSUF 397 480 E I.D.		Pum Liner 6 6 7 7 TJ O.D.	p 1 SPM 122 122 122 124 144 155 165 165 165 165 165 165 165 165 165	Line 6 6 THREA	Pump 2 Pr SPI	# JNTS	NO.	M Line	ump 4 Pr SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	9IN 9IN REPAIR	S O.D.	anufact/A	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT	RKS	SURVE	EYS
DRLLSTRG PUMPS	16 22 29 LO Coo HR HR AV	Depth 65 - 229 29 - 293 33 - 352 SIZE DOCATION DO. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand sed Today	WEIGHT	GPM GRADI	PRESSUF 397 480 E I.D.	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER #	p 1 SPM 122 122 122 122 1 H	Line 6 6 THREA	Pump 2 Pr SPI	# JNTS	NO.	M Line	ump 4 Pr SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	9IN 9IN REPAIR	S O.D.	anufact/A	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT	RKS	SURVE	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV	Depth 55 - 229 29 - 293 23 - 352 SIZE DOCATION DO. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL IN HAND SEN TODAY RELIVERED TOD IN HAND IN H	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D.	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	P 1 SPM 122 122 122 122 122 122 122 122 122 12	P Line 6 6 7 THREA	Pump 2 Pu	# JNTS	NO.	M Line	ump 4 Pr SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	9IN 9IN REPAIR	S O.D.	anufact/A	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT	RKS	SURVE	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV	Depth 55 - 229 29 - 293 33 - 352 SIZE DOCATION DO. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand sed Today sed This Well uel Brand	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D.	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER #	P 1 SPM 122 122 122 122 122 122 122 122 122 12	P Line 6 6 THREA	Pump 2 Pu	# JNTS	NO.	M Line	ump 4 Pr SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	9IN 9IN REPAIR	S O.D.	anufact/A	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT	RKS	SURVE	EYS
ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV	Depth 55 - 229 29 - 293 23 - 352 SIZE DOCATION DO. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL IN HAND SEN TODAY RELIVERED TOD IN HAND IN H	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D.	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	P 1 SPM 122 122 122 122 122 122 122 122 122 12	P Line 6 6 7 THREA	Pump 2 Pu	# JNTS	NO.	M Line	ump 4 Pr SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	9IN 9IN REPAIR	S O.D.	anufact/A	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT	RKS	SURVE	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Di	Depth 55 - 229 29 - 293 23 - 352 SIZE DOCATION DO. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL IN HAND SEN TODAY RELIVERED TOD IN HAND IN H	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D.	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	P 1 SPM 122 122 122 122 122 122 122 122 122 12	DOTAGIAST 24	Pump 2 Pu	# JNTS	NO.	M Line	ump 4 Pr SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	9IN 9IN REPAIR	S O.D.	anufact/A	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT	RKS	SURVE	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Di	Depth 55 - 229 29 - 293 23 - 352 SIZE DOCATION DO. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL IN HAND SEN TODAY RELIVERED TOD IN HAND IN H	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D.	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	p 1 SPM 122 122 122 122 1	DOTAGIAST 24	Pump 2 Pu	# JNTS # JNTS TOTAL DOTAGE	NO.	M Line	ump 4 Pr SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	9IN 9IN REPAIR	S O.D.	anufact/A	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT TH :	FION S INCL	SURVE	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HRR HRR AVU DE FU DI	Depth 55 - 229 29 - 293 23 - 352 SIZE DOCATION DO. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL IN HAND SEN TODAY RELIVERED TOD IN HAND IN H	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D.	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	p 1 SPM 122 122 122 122 1	DOTAGIAST 24	Pump 2 Pu	# JNTS # JNTS TOTAL DOTAGE	NO.	M Line	ump 4 Pr SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	PIN	N/N/	I.D. 2.8	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT TH :	RKS	SURVE	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HRR HRR AVU DE FU DI	Depth 55 - 229 29 - 293 23 - 352 SIZE DOCATION DO. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL IN HAND SEN TODAY RELIVERED TOD IN HAND IN H	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D.	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	p 1 SPM 122 122 122 122 1	DOTAGIAST 24	Pump 2 Pu	# JNTS # JNTS TOTAL DOTAGE	NO. 3 8	M Line	ump 4 or SPM IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	PIN	S O.D. 8IN 6IN	I.D 2.8	. LENG	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT TH :	FION S INCL	SURVE	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HRR HRR AVU DE FU DI	Depth 55 - 229 29 - 293 23 - 352 SIZE DOCATION DO. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL IN HAND SEN TODAY RELIVERED TOD IN HAND IN H	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	p 1 SPM 122 122 122 122 1	DOTAGIAST 24	Pump 2 Pu	# JNTS # JNTS TOTAL DOTAGE	NO. 3 8	LENGTH DF	IN HOLE DRILL P	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	PIN	N/N/	I.D. 2.8	. LENG 1 90.00 240	C C C C C C C C C C C C C C C C C C C	0.00 0.00 0.00 0.00 LL STRING	DEVIAT TH :	FION S INCL	SURVE	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HRR HRR AVU DE FU DI	Depth 55 - 229 29 - 293 23 - 352 SIZE DOCATION DO. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL IN HAND SEN TODAY RELIVERED TOD IN HAND IN H	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	p 1 SPM 122 122 122 122 1	DOTAGIAST 24	Pump 2 Pu	# JNTS # JNTS TOTAL DOTAGE	NO. 3 8	LENGTH DF LY DOWN LL COLLARS	ump 4 or SPM IN HOLE	Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	PIN	N/N/	I.D 2.8	. LENG 1 90.00 240	DRIII	DEP 150	DEVIAT TH	FION S INCL	SURVE	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HRR HRR AVU DE FU DI	Depth 55 - 229 29 - 293 23 - 352 SIZE DOCATION DO. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL IN HAND SEN TODAY RELIVERED TOD IN HAND IN H	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	p 1 SPM 122 122 122 122 1	DOTAGIAST 24	Pump 2 Pu	# JNTS # JNTS TOTAL DOTAGE	NO. 3 8	LENGTH DF LY DOWN LL COLLARS	UMP 4 Pr SPM IN HOLE RILLING AS DRILL P	Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	PIN	S O.D. 8IN 6IN TANDS INGLES	I.D. 2.8*	. LENG 1 90.00 240	GTH DRIII	0.00 0.00 0.00 0.00 LL STRING	DEVIAT TH	FION S INCL 5	SURVE	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Di	Depth 55 - 229 29 - 293 23 - 352 SIZE COCATION D. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL Sed Today Sed Today Sed This Well LUEL Brand LISTRIBUTOR	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	p 1 SPM 122 122 122 122 1	DOTAGIAST 24	Pump 2 Pu	# JNTS # JNTS TOTAL DOTAGE	NO. 3 8	LENGTH DF LY DOWN LL COLLARS	UMP 4 Pr SPM IN HOLE RILLING AS DRILL P	Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	PIN	S O.D. 8IN 6IN TANDS INGLES	1.D 2.8 3 2 335	. LENG 1 90.00 240	GTH DRIII	DEPTH CODE D	DEVIAT TH	FION S INCL 5	SURVE	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Di	Depth 55 - 229 29 - 293 23 - 352 SIZE COCATION D. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL Sed Today Sed Today Sed This Well LUEL Brand LISTRIBUTOR	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	p 1 SPM 122 122 122 122 1	DOTAGIAST 24	Pump 2 Pu	# JNTS # JNTS TOTAL DOTAGE	NO. 3 8	LENGTH DF LY DOWN LL COLLARS	UMP 4 Pr SPM IN HOLE RILLING AS DRILL P	Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	PIN	IN/ N/ SS O.D. SIN GIN TANDS INGLES T65 229	1.D 2.8 3 2 335	. LENG 1 90.00 240	DRIII	DEPTH CODE D.00 D.00 D.00 D.00 D.00 D.00 D.00 D.	DEVIAT TH	FION S INCL 5	NS TO	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Di	Depth 55 - 229 29 - 293 23 - 352 SIZE COCATION D. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL Sed Today Sed Today Sed This Well LUEL Brand LISTRIBUTOR	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	p 1 SPM 122 122 122 122 1	DOTAGIAST 24	Pump 2 Pu	# JNTS # JNTS TOTAL DOTAGE	NO. 3 8	LENGTH DF LY DOWN LL COLLARS	UMP 4 Pr SPM IN HOLE RILLING AS DRILL P	Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	PIN	S O.D. 8IN 6IN TANDS INGLES	1.D 2.8 3 2 335	. LENG 1 90.00 240	DRIII	DEPTH CODE D.00 D.00 D.00 D.00 D.00 D.00 D.00 D.	DEVIAT TH	FION S INCL 5	SURVE	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Di	Depth 55 - 229 29 - 293 23 - 352 SIZE COCATION D. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL Sed Today Sed Today Sed This Well LUEL Brand LISTRIBUTOR	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	p 1 SPM 122 122 122 122 1	DOTAGIAST 24	Pump 2 Pu	# JNTS # JNTS TOTAL DOTAGE	NO. 3 8	LENGTH DF LY DOWN LL COLLARS	UMP 4 Pr SPM IN HOLE RILLING AS DRILL P	Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	PIN	IN/ N/ SS O.D. SIN GIN TANDS INGLES T65 229	1.D 2.8 3 2 335	. LENG 1 90.00 240	DRIII	DEPTH CODE D.00 D.00 D.00 D.00 D.00 D.00 D.00 D.	DEVIAT TH	FION S INCL 5	NS TO	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Di	Depth 55 - 229 29 - 293 23 - 352 SIZE COCATION D. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL Sed Today Sed Today Sed This Well LUEL Brand LISTRIBUTOR	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	p 1 SPM 122 122 122 122 1	DOTAGIAST 24	Pump 2 Pu	# JNTS # JNTS TOTAL DOTAGE	NO. 3 8	LENGTH DF LY DOWN LL COLLARS	UMP 4 Pr SPM IN HOLE RILLING AS DRILL P	Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	PIN	IN/ N/ SS O.D. SIN GIN TANDS INGLES T65 229	1.D 2.8 3 2 335	. LENG 1 90.00 240	DRIII	DEPTH CODE D.00 D.00 D.00 D.00 D.00 D.00 D.00 D.	DEVIAT TH	FION S INCL 5	NS TO	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Di	Depth 55 - 229 29 - 293 23 - 352 SIZE COCATION D. NO. RS TODAY RS ON WELL RS LAST CHGE VERAGE KVA ELIVERED TOD IN Hand ISEN WELL Sed Today Sed Today Sed This Well LUEL Brand LISTRIBUTOR	WEIGHT	GPM GRAD 946.00 845.00 -946.00	PRESSUF 397 480 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 7 7 TJ O.D. TODAY WELL BOILER # BLOWDO VOLUME CUM.	p 1 SPM 122 122 122 122 1	DOTAGIAST 24	Pump 2 Pu	# JNTS # JNTS TOTAL DOTAGE	NO. 3 8	LENGTH DF LY DOWN LL COLLARS	UMP 4 Pr SPM IN HOLE RILLING AS DRILL P	Pump ON	1 Q-Z9 2 Q-Z9 3 4 IRACK	PIN	IN/ N/ SS O.D. SIN GIN TANDS INGLES T65 229	1.D 2.8 3 2 335	. LENG 1 90.00 240	DRIII	DEPTH CODE D.00 D.00 D.00 D.00 D.00 D.00 D.00 D.	DEVIAT TH	FION S INCL 5	NS TO	EYS

PI	ON	NEER O	LFIEL	D SEI	RVICES	LL	-C			М	IOR	NIN	NG R	EPOR	Т	DATE 201	0092	6	RIG N	0. 00	B TYPE	JC	OB NO.		WE	LL TYPE	
WE	LLNA					,			LE	EGAL DESC			10 1		\ I	201	0032	SPUD I	15 ATE / TII 3-10 1			D/ 3	AYS FR SI	PUD	PR	OJECTED) TD
OPI	ERAT		DANIE	L MIDL	AND)					OUNTY / PA	ARISH					STAT	E	JOB ST	ART DAT	E		<u> </u>	AYS ON J	ОВ	ES	T. RELEA	ASE
RIG	MAN	NAGER OOD			R		ONE NUM			PERATORS	REPR	ESENT	ATIVE	СО	MAN P			.	SE DATE			w	EATHER AIN				
ОРІ		TIONS @ REP	ORT TIME					<u> </u>										NS NEXT Nipple ι		p							
		CIDENTS OR	NEAR MI	SSES:									# OF JSA	's RIG	SAFET	Y DAYS		ETY RATI		G.P.S.	COORD 8796 W	INATE	s .8934	BOP T	TEST DAT	TE / PRES	SSURE
FETY		FETY MEETIN											# STOP C	ARDS LAS	T MEET	ING DAT	Ē				N-O-MATI				ORILL DA	ATE / TIM	E
SAI		ST INSPECTIO			BY / TITLE		CI	REW M/	U	EXTF	RA CR	REWS /	WHY?				O	FFICE NO	TIFIED	_	OURS PAS	ST 24		BOP D	PRILL DA	ATE / TIM	E
~	CUR 377	RRENT DEPTH	F001	AGE LAST	24 PEN. R		кот. 4.25		MAX.	GAS BO	CKGR	GAS	CONN. GA	S TRIP G	AS	LAST C		SIZE & S	ET DEPT 380	Н				1	CO		
OPS		OKLOAD	<u> </u>	PICKUP WE			ACKOFF		ROT/	ATING		RO	TARY TOR	QUE				SIZE & S		Н		DAIL	Y	S	8 & R	F	RENTAL
	Time	e Mud \	Vt IN / O		el Vis PV		YLD PT	10 S GEL		EL FI. Los	ss F	ILT CK	HTHP F	L HTTP F			FUI	EL ADDEI					RAGE	0.00)	0.00	
MUD	Mud GEI	l Type		% SOLIDS	% LCM %	SAND	% OIL	% H2O	pH	MF	PI	F	CALCIUM	CHLORIDE	S	TODAY		MUD CC	CUM. COSTS				ULATIVE	0.00		0.00	
Σ		NTRIFUGES					R TYPE ONAL	l		<u> </u>	<u> </u>	sci 21	REENS	1		CHANG	ED		WATER HYD			CUMU	JLATIVE	3.0		3.0	
	FRO		HRS	CODE						DET	TAILS C			N SEQUENCE									TIME BR		WN	(Toda	y / Well)
	700 715		0.25 4.25	21	safety i			FACE H	IOLE I	FROM 35	52 TO	O 377											1: RIG U			4.25	0.5 46.0
	113 120		0.5 1.0	5 6	CIRC F				AIGH	T HOLE	<u> </u>												3: REAN				
	130	00 1500	2.0	11	RIG UP	LOG	GERS	AND L	OG H	IOLE													5: COND			1.25 1.0	1.25 1.0
	230 231	15 0215	3.0	21 12	SAFTE RUN C																		7: LUBR 8: REPA	ICATE F	RIG		2.75
	021 030			5 12	CIRCUI			CLAS	S A 1º	% CA C/2	2 1/4	PLAC	CE CIR	CEMENT	20 R	BL							9: C/O D 10: DEV	RILL LI	NE		0.5
	034		3.25	13	WAIT C						,-т												11: WIR	ELINE L		2.0 3.75	2.0 3.75
TIME LOG																							13: WAI	CON CE	MENT		3.25
TIME																							15: TES	Г ВОР			
																						_	17: PLU	GBACK			
																							19: FISH 20: DIR.	IING			
																							20. DIN.	WORK		0.5	3.0
																						_	OTHER Total H			16.0	64.0
(0)	В 1	SIT# SI	ZE /2 Q[TYPE 0507	HTC	AKE	7	SERIAL 021321		ا X14/1X16	NOZZL	LES		IN @ 0	OL	JT @	DF	RILLED	HRS	0.0	CUM. HR	RS		CON	DITION		ROP
BITS	1	17 1	/2 QE	507	HTC		7	021321	62	X14/1X16	6		I	0			29		29	29. 0.0							
																				0.0	U						
							Pumn	\1	Pum	nn 2	Pur	mn 3	Pı	umn 4		Тту	VDE	STPOK	E Mai	0.0	0	RS I	Total HRS	s I MAX	PSI Le	SPR k	(ILL (SPM)
IPS	252	Depth		GPM	PRESSUR			SPM	Pum Liner		Pur Liner	mp 3		ump 4 r SPM		1 Q-Z		STROK 9IN	N/A	0.0 nufactu	0	0	0.00	6 MAX	(PSI Ki	SPR II Rate	(ILL (SPM)
PUMPS	352 377	2 - 377			PRESSUR 593	6	Liner 1	SPM 16 6	Liner	i i				r SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3	9			0.0 nufactu	0	0).00).00).00	S MAX	(PSI Ki	SPR II Rate	KILL (SPM)
	377	2 - 377	WEIGHT		593	6 6	Liner 1	SPM 16 6	Liner	SPM		SPN		r SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN	N/A	0.0 nufactu	0	0).00).00			SPR II Rate	KILL (SPM)
STRG	377	2 - 377	WEIGHT		593	6 6	Liner 1	SPM 16 6	Liner	SPM	Liner	SPN	1 Line	r SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N/A	0.0 nufactu	0	0	0.00 0.00 0.00 0.00			SPR II Rate	KILL (SPM)
STRG	377	2 - 377	WEIGHT		593	6 6	Liner 1	SPM 16 6	Liner	SPM	Liner	SPN	1 Line	r SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N/A	0.0 nufactu	0	0	0.00 0.00 0.00 0.00			SPR II Rate	KILL (SPM)
	377	2 - 377	WEIGHT		593	6 6	Liner 1	SPM 16 6	Liner	SPM	Liner	SPN	Line	r SPM	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A	0.0 nufactu	0	O O O DRIL	0.00 0.00 0.00 0.00 LL STRING	G REMA	ARKS	SPR II Rate I	
DRLLSTRG	LOC Co. I	2 - 377 7 - SIZE CATION No.	WEIGHT		593	6 6	Liner 1	SPM 16 6	Liner	SPM	Liner	L	ENGTH DR	IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A N/A	0.0	LENG	O O O DRIL	0.00 0.00 0.00 0.00 LL STRING	OEVIA	ARKS	SURV	
DRLLSTRG	LOC Co. HRS	2 - 377 7 - SIZE CATION No. S TODAY S ON WELL			593	6 6	Liner 1	SPM 16 6	Liner	SPM	Liner	L	Line ENGTH	IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A N/A	0.0	Irer H	O O O DRIL	0.00 0.00 0.00 0.00 L STRING	OEVIA	ARKS	SURV	EYS
STRG	LOC Co. I HRS HRS AVE	CATION No. S TODAY S ON WELL S LAST CHGE			593	6 6	Liner 1	SPM 16 6	Liner	SPM	Liner	L	DR BIT KELLY	IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A N/A	0.0	LENG 1.8 41	O O O DRIL	0.00 0.00 0.00 0.00 LL STRING	OEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG	LOC Co. I HRS HRS AVE	SIZE CATION No. S TODAY S ON WELL S LAST CHGE			593	6 6 6	Liner 1	SPM 16 6	Liner	SPM	INTS	L	DR BIT KELLY	IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A N/A	0.0	LENG 1.8 41	O O O DRIL	0.00 0.00 0.00 0.00 LL STRING	OEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA		387.00 559.00	593 DE I.D.	6 6 6	TJ O.D.	SPM 16 6 6 6 1 1 1 1 1	Liner	# JI	INTS	L	DR BIT KELLY	IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A N/A	0.0	LENG 1.8 41	O O O DRIL	0.00 0.00 0.00 0.00 LL STRING	OEVIA	ARKS	SURV	EYS
DRLLSTRG	LOCCO. I HRS HRS AVE DEL On I Use Use Fue	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand		387.00	593 DE I.D.	BOILER 9	TJ O.D. TODAY WELL BOILER #	SPM 16 6 6 6 1 1 1 1 1	Liner	# JI	INTS	L	DR BIT KELLY	IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A N/A	0.0	LENG 1.8 41	O O O DRIL	0.00 0.00 0.00 0.00 LL STRING	OEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well	AY HRS I	387.00 559.00 -387.00	593 DE I.D.	BOILER	TJ O.D. TJ O.D. TJ O.D. TODAY WELL BOILER # BLOWDOV OLUMES CUM.	SPM	Liner 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	FUEL US	INTS	L	DR BIT KELLY	IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A N/A	0.0	LENG 1.8 41	O O O DRIL	0.00 0.00 0.00 0.00 LL STRING	OEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand stributor	AY	387.00 559.00 -387.00	593	BOILER	TJ O.D. TJ O.D. TJ O.D. TJ O.D. TJ O.D.	SPM 16 6 6 6 6 1 1 1 1	Liner 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	# JI	INTS	L	DR BIT KELLY	IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A N/A	0.0	LENG 1.8 41	O O O DRIL	0.00 0.00 0.00 0.00 LL STRING	OEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand stributor	HRS I	387.00 559.00 -387.00	593 DE I.D. TOTAL HRS	BOILER	TJ O.D. TJ O.D. TJ O.D. TODAY WELL BOILER # BLOWDOV OLUMES CUM.	SPM 16 6 6 17 11 11 11 11 11 11 11 11 11 11 11 11	Iner S S S S S S S S S S S S S S S S S S S	FUEL USI	INTS	L	DR BIT KELLY	IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A N/A	0.0	LENG 1.8 41	O O O DRIL	0.00 0.00 0.00 0.00 LL STRING	OEVIA	ARKS	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand stributor	HRS I	387.00 559.00 -387.00	593 DE I.D. TOTAL HRS	BOILER	TJ O.D. TJ O.D. TJ O.D. TODAY WELL BOILER # BLOWDOV OLUMES CUM.	SPM	Iner S S S S S S S S S S S S S S S S S S S	FUEL USI	INTS	L	DR BIT KELLY	IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A N/A	0.0	LENG 1.8 41	O O O DRIL	0.00 0.00 0.00 0.00 LL STRING	OEVIA	ARKS	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand stributor	HRS I	387.00 559.00 -387.00	593 DE I.D. TOTAL HRS	BOILER	TJ O.D. TJ O.D. TJ O.D. TODAY WELL BOILER # BLOWDOV OLUMES CUM.	SPM 16 6 6 17 11 11 11 11 11 11 11 11 11 11 11 11	Iner S S S S S S S S S S S S S S S S S S S	FUEL USI	INTS SED AL AGE	NO. 1 1 1 1	DR BIT KELLY BIT SU	IN HOLE	Pump Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A N/A	I.D.	LENG 1.8 41 2	O O O DRIL	0.00 0.00 0.00 0.00 LL STRING	DEVIA	ARKS	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand stributor	HRS I	387.00 559.00 -387.00	593 DE I.D. TOTAL HRS	BOILER	TJ O.D. TJ O.D. TJ O.D. TODAY WELL BOILER # BLOWDOV OLUMES CUM.	SPM 16 6 6 17 11 11 11 11 11 11 11 11 11 11 11 11	IN TAGE T 24	FUEL USI	INTS SED AL AGE	NO. 1 1 1 3 2 2	DR BIT KELLY BIT SU	IN HOLE	Pump Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EPAIRS	N/A N/A	0.0	LENG 1.8 41 2	O O O DRIL	0.00 0.00 0.00 0.00 LL STRING	DEVIA	ATION INC	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand stributor	HRS I	387.00 559.00 -387.00	593 DE I.D. TOTAL HRS	BOILER	TJ O.D. TJ O.D. TJ O.D. TODAY WELL BOILER # BLOWDOV OLUMES CUM.	SPM 16 6 6 17 11 11 11 11 11 11 11 11 11 11 11 11	IN TAGE T 24	FUEL USI	INTS SED AL AGE	NO. 1 1 1 1 KELLY TOTAL	DR BIT KELLY BIT SU	ILLING AS B DRILL P	Pump Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EPAIRS	N/A N/A	I.D. 279.3 61.55	LENG 1.8 41 2	O O O DRIL	0.00 0.00 0.00 0.00 LL STRING	DEVIA	ATION INC	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand stributor	HRS I	387.00 559.00 -387.00	593 DE I.D. TOTAL HRS	BOILER	TJ O.D. TJ O.D. TJ O.D. TODAY WELL BOILER # BLOWDOV OLUMES CUM.	SPM 16 6 6 17 11 11 11 11 11 11 11 11 11 11 11 11	IN TAGE T 24	FUEL USI	INTS SED AL AGE	NO. 1 1 1 1 XELLY XELLY WT of	DR BIT KELLY BIT SU	IN HOLE	Pump Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EPAIRS	N/A N/A	I.D. 279.3	LENG 1.8 41 2	TH	DEP 350	DEVIA TH D	ATION INC .0625	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand stributor	HRS I	387.00 559.00 -387.00	593 DE I.D. TOTAL HRS	BOILER	TJ O.D. TJ O.D. TODAY WELL BOILER # BLOWDOW OLUMES CUM. LL HRS	SPM 6 16 6 6 17H	IN STI	FUEL USI	INTS SED RLY	NO. 1 1 1 WT of HOUR	DR BIT KELLY BIT SU	IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE	Pump Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EPAIRS	N/A N/A	0.00 nufactu 1.D. 279.3 61.55 385.6 3700 46.0	LENG 1.8 41 2	TH	0.00 0.00 0.00 0.00 LL STRING	DEVIA	ATION INC .0625	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	HRS I	387.00 559.00 -387.00	593 DE I.D. TOTAL HRS	BOILER	TJ O.D. TJ O.D. TODAY WELL BOILER # BLOWDOW OLUMES CUM. LL HRS	SPM 6 16 6 6 17H	IN STI	FUEL USI	INTS SED RLY	NO. 1 1 1 WT of HOUR	DR BIT KELLY BIT SU	IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE	Pump Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EPAIRS	N/A	I.D. 279.3 61.55 385.6 3700 46.0	LENG 1.8 41 2	TH	DEPTH CODE	DEVIA	ATION INC .0625	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	HRS I	387.00 559.00 -387.00	593 DE I.D. TOTAL HRS	BOILER	TJ O.D. TJ O.D. TODAY WELL BOILER # BLOWDOW OLUMES CUM. LL HRS	SPM 6 16 6 6 17H	IN STI	FUEL USI	INTS SED RLY	NO. 1 1 1 WT of HOUR	DR BIT KELLY BIT SU	IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE	Pump Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EPAIRS	N/A	I.D. 279.3 61.55 385.6 3700 46.0	LENG 1.8 41 2 34 5	TH D	DEPTH CODE	DEVIA TH D	ATION INC .0625	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	HRS I	387.00 559.00 -387.00	593 DE I.D. TOTAL HRS	BOILER	TJ O.D. TJ O.D. TODAY WELL BOILER # BLOWDOW OLUMES CUM. LL HRS	SPM 6 16 6 6 17H	IN STI	FUEL USI	INTS SED RLY	NO. 1 1 1 WT of HOUR	DR BIT KELLY BIT SU	IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE	Pump Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EPAIRS	N/A	I.D. 279.3 61.55 385.6 3700 46.0	LENG 1.8 41 2 34 5	TH D	DEPTH CODE	DEVIA TH D	ATION INC .0625	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	HRS I	387.00 559.00 -387.00	593 DE I.D. TOTAL HRS	BOILER	TJ O.D. TJ O.D. TODAY WELL BOILER # BLOWDOW OLUMES CUM. LL HRS	SPM 6 16 6 6 17H	IN STI	FUEL USI	INTS SED RLY	NO. 1 1 1 WT of HOUR	DR BIT KELLY BIT SU	IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE	Pump Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EPAIRS	N/A	I.D. 279.3 61.55 385.6 3700 46.0	LENG 1.8 41 2 34 5	TH D	DEPTH CODE	DEVIA TH D	ATION INC .0625	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE Use Fue DIST	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	HRS I	387.00 559.00 -387.00	593 DE I.D. TOTAL HRS	BOILER	TJ O.D. TJ O.D. TODAY WELL BOILER # BLOWDOW OLUMES CUM. LL HRS	SPM 6 16 6 6 17H	IN STI	FUEL USI	INTS SED RLY	NO. 1 1 1 WT of HOUR	DR BIT KELLY BIT SU	IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE	Pump Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EPAIRS	N/A	I.D. 279.3 61.55 385.6 3700 46.0	LENG 1.8 41 2 34 5	TH D	DEPTH CODE	DEVIA TH D	ATION INC .0625	SURV	EYS

		R OII	LFIEL	D SEF	RVICES	S, LI	LC				MOF	RNI	NG R	EPO	RT	2010			15		ГҮРЕ	JOB NO.		WELL TYP	E
	LNAME OM MM\	/ #1							L	EGAL D	DESCRIPTION	ON						SPUD DA				DAYS FR S	PUD	PROJECTE	ED TD
	RATOR	CHERI	DANIE	L MIDLA	AND)					COUNTY Maco	' / PARISH n					STATE IL		ЈОВ STA				DAYS ON J	ОВ	EST. RELI	EASE
RIG	MANAGE	R	<i>-</i> ,		R		IONE NU				ORS REPR	RESENT	ATIVE	C	CO. MAN P			RELEAS				WEATHER			
OPE	WOOD		RT TIME			010-8	943-00	<u> </u>								OPER/	ATIONS	S NEXT 2	4 HRS			RAIN			
bre	ACCIDEN	ITS OR N	NEAR MIS	SSES:									# OF JSA	's R	IG SAFETY			/trip in		G.P.S. C	OORDINA	ATES	BOP TEST	DATE / PRI	ESSURE
۲	SAFETY													5	AST MEETI					N 39.87	96 W -	88.8934 CHECKED	N/A BOP DRILL		
SAFETY	trips/ te	est b.o.	.p										# STOP C		/24AT70				,	YES					
S/	LAST INS	PECTION	I INS	SPECTION	BY / TITLE			CREW M	/ U		EXTRA CI	REWS /	WHY?				OFF	FICE NOT		MANHOUI 1 04.00	RS PAST	24	BOP DRILL	. DATE/TI	ME
10	CURRENT	DEPTH		AGE LAST		RATE	RO	T. HRS	MAX	. GAS	BCKGR	GAS	CONN. GA	S TRIP		LAST CA				1			RIG C	OSTS	
OPS	HOOKLOA	AD		PICKUP WE	0.0		.ACKOFF	:		TATING		RC	TARY TOR	QUE		13 3/8 NEXT CA			380 T DEPTI	1	-		S & R		RENTAL
	23 Time	Mud W		23 JT Funne	l Vis PV	23		10 S GI	23		Loss	FILT CH	(HTHP F	L HTTI	P FC		FUEL	L ADDED	TO MUD		D.	AILY			
			_													TODAY		C	им. О		A	VERAGE	0.00	0.0	00
MUD	Mud Type water			% SOLIDS		SANI			2O pl	1	MF P		CALCIUM	CHLORI		DAILY			им. О .		С	UMULATIVE	0.00	0.0	00
	CENTRIF	JGES					ER TYPE ONAL						REENS			CHANGE	D		WATER S HYD	OURCE	CI D/	JMULATIVE AYS	4.0	4.0	0
	FROM	TO	HRS	CODE	a of a true		(!.a.a.				DETAILS	OF OPE	RATIONS I	N SEQUEN	ICE								EAKDOWN	(Tod	ay / Well)
			0.25 5.25	21 13	safety WAIT C			IT														1: RIG U 2: DRILL	<u>IP / DOWN</u> LING		0.5 46.0
			1.0	14	NIPPLE																	3: REAN			
			1.5 0.25	22 21	PICK U				LARS	TRY T	O BRE	AK BI	IT(DID N	NOT BR	EAK)							4: CORI	D. & CIRC		1.25
			7.75	14	NIPPLE				HYDR	IL												6: TRIPS	S ICATE RIG		1.0
			0.25	21	SAFET																	8: REPA			2.75
	2315	0700	7.75	14	NIPPLE	<u> </u>	B.O.P	<u>'. </u>														9: C/O D 10: DEV	RILL LINE		0.5
4 ==					_						_		_	_	_	-				-		11: WIR	ELINE LOG	ıT	2.0 3.75
700				-																		13: WAI	T ON CEMEN	_{IT} 5.25	8.5
TIME LOG																						14: NIPF	PLE UP BOP T BOP	16.5	16.5
=																						16: DRIL	L STEM TES	т	
																						17: PLU	GBACK JEEZE CMN	г	
																						19: FISH 20: DIR.			
																							WORK	0.75	3.75
																								1.5	1.5
																						OTHER	<u> </u>		
		1							[. =-		0		- 0				1		Total F		24.0	88.0
(0	BIT#	SIZ	E	TYPE	I N	IAKE		SERI	AL#		NOZZ	LES		IN @	00	JT @	DRIL	LLED	HRS	0.00	JM. HRS		CONDITIO	ON	ROP
BITS																				0.00					
																				0.00					
S	De	epth		GPM	PRESSUR	E	Pum Liner	np 1 SPM	Pui Liner	mp 2 SPM		mp 3		ump 4 r SPM	Pumn	1 Q-Z9		STROKE IN	Man N/A	ufacture	r HRS	Total HRS	S MAX PSI	SPR Kill Rate	KILL (SPM)
PUMPS							6	OI III	6	OI III	Emei	Oi i	III EIIIC			2 Q-Z9)IN	N/A			0.00			
Ы							6 6		6						Pump Pump							0.00			
RG	SIZE	١	WEIGHT	GRADE	E I.D.		TJ O.D.		THREAD		# JNTS	I	LENGTH	IN HOL	E ON	N RACK	RE	PAIRS				RILL STRING	G REMARKS		
LSTI																									
DRLLSTRG																									
	LOCATIO	<u> </u> N										NO.	n p	ILLING A	ASSEMB	NV/RL	۱۷ /		O.D.	I.D.	LENGTH	Г	DEVIATIO	ON SUR	VFYS
ES	Co. No.											NO.	DIN	ILLING /	ASSEMB	DET (DI	iA)		O.D.	I.D.	LENGTH	DEP		NCL	AZM
ENGINES	HRS TOD																								
EŇ	HRS LAS																								
	AVERAGI											<u> </u>													
	DELIVER On Hand		·Υ	2255.00)		TODAY	HC	OURS	FUE	L USED					_			-		_	1			
RIG FUEL	Used Too	-		-1868.0	0	┧┷	WELL																		
RIG	Used This			-2255.00	0	~	BOILER															_			
	DISTRIBU	JTOR -				-1	VOLUME								_							4			
MTR	SERIA	AL#	HRS L 24		TOTAL HRS		CUM. ELL HRS		OTAGE ST 24		OTAL OTAGE														
MUD MTR																									
Σ				DESCRIPTION	ON .			D.	DT -	TDEX I	UBLY	<u> </u>										+			
S				DESCRIPTION	JIV			DAY	KI S	TDBY	HRLY														
RENTAL ITEMS																							DIREC	CTIONS TO	
AL I				_	_	-								DRILL	PIPE			STAN SING						2010	
ENT,													Y DOWN					5::101				7			
R												.	f COLLARS									_			
												HOUF	RS SINCE L	AST INSPE	CTION					46.0		DEPTH	DRII I E	_	
																			FRO					D	
																			FRO	М	то	CODE	RPM	D	W.O.B.
KS																			FRO	M	ТО	CODE		D	W.O.B.
MARKS																			FRO	M	ТО	CODE		D	W.O.B.
r REMARKS																			FRO	M	ТО	CODE		D	W.O.B.
ORT REMARKS																			FRO	M	ТО	CODE		D	W.O.B.
REPORT REMARKS																			FRO	M	ТО	CODE		D	W.O.B.

PI	ONE	ER O	LFIE	LD SE	RVICES	3, LL	.C				MOF	RNI	NG R	EPOF	RT	201	0092	28	RIG N	0. 30	В ТҮРЕ	30	OB NO.		, vv	ELL TYPE	
WE	LLNAME OM MI	<u> </u>				<u>, </u>				LEGAL I	DESCRIPTI							SPUD	DATE / TI 3-10 1			5	AYS FR S	PUD	PI	ROJECTED	TD
	ERATOR		DANII	EL MIDL	AND)					COUNTY	Y / PARISH On	I				STAT	ΓE		ART DAT			D/ 13	AYS ON J	ОВ	E	ST. RELEA	\SE
RIG	MANAG WOC	GER			Í		NE NUM				TORS REPI		FATIVE	СО	. MAN F	PH NO.		RELEA	SE DATE	/TIME		w	EATHER	//49D	EG		
OPI		NS @ REP	ORT TIMI														RATIO	NS NEXT	24 HRS								
		ENTS OR	NEAR M	ISSES:									# OF JS#	's RIG	SAFET	Y DAYS		FETY RAT	E		COORD 8796 W					TE / PRES	
FETY	SAFET	Y MEETIN											# STOP C	ARDS LAS	ST MEET	ING DAT	ΓE				N-O-MATI					ATE / TIM	
SA		NSPECTIO			BY/TITLE		CI	REW M	/ U		EXTRA C	REWS /	WHY?				C	OFFICE NO	TIFIED	_	OURS PAS	ST 24		ВОР	DRILL D	ATE / TIM	E
~	CURRE 495	NT DEPTH	FOC	TAGE LAS	T 24 PEN. F		кот. 11.5		MA	X. GAS	BCKGR	RGAS	CONN. G	AS TRIP G	AS	LAST C		G SIZE & S	SET DEPT 375	'H				1	G CO		
OPS	ноокь 23	OAD		PICKUP W 23			CKOFF	'	RC 23	OTATING		RC	TARY TOR	QUE		NEXT C	CASING	G SIZE & S 320 FT		ТН		DAIL	.Y	;	S&R	F	RENTAL
	Time 0500	Mud \	Vt IN / C		nel Vis PV		YLD PT	10 S GE			I. Loss	FILT C	K HTHP F	L HTTP			FU	JEL ADDE					RAGE	0.00	0	0.00	
MUD	Mud Ty water			% SOLID	S % LCM 9	6 SAND	% OIL	% H2	2O p	Н	MF F	PF	CALCIUN	CHLORID	ES	DAILY		MUD C	CUM. (DSTS) CUM. 1		<u> </u>		ULATIVE	0.00		0.00	
Σ		IFUGES				SHAKE NATIC	L R TYPE NΑΙ		<u> </u> l	<u> l</u>	<u> </u>		REENS 210	l		CHANG		0.00		SOURCE	:	CUMU	ULATIVE	5.0		5.0	
	FROM		HRS	CODE							DETAILS	_		IN SEQUENC	E				11110				TIME BR			(Toda	y / Well)
	700 715	715 800	0.25 0.75	21 22	safety pick up		_	llars b	oreak	bit													1: RIG U		WN	11.5	0.5 57.5
	800 915	915 1100	1.25 1.75	6 22	pu 1 8i spot cl						n botton	n hole	e collar										3: REAN				
	1100	1300	2.0	15	FUNCT	TON T	ΓEST E	3.O.P.		•												-	5: CONE		RC	2.5	1.25 3.5
	1300 1415	1415 1500	1.25 0.75	6 15	PICK U					III/TRI	P IN HO)LE											7: LUBR 8: REPA	ICATE			2.75
	1500 1515	1515 1800	0.25 2.75	21	SAFET	Y ME	ETING	ì															9: C/O D	RILL L	INE		0.5
(1)	1800	1900	1.0	14	NIPPLI																		11: WIR 12: RUN	ELINE	LOG		2.0 3.75
ELOC	1900	2300	0.0	2	DRILL TAGGI	ED CE	MENT	AT 3															13: WAI	T ON C	EMENT	1.0	8.5 17.5
TIME			0.0											ND SHAK TO 300 I		IT							15: TES	Т ВОР		5.75	5.75
	2300 2315	2315 2330	0.25 0.25	21	SAFTE	Y ME	ETING															-	17: PLU	GBACK	(
	2330	0000	0.5	15	TEST E	3.O.P.	PIPE			250 PS	SIG												19: FISH 20: DIR.	IING			
	0000 0030	0030	0.5 2.5	15	DRILL TEST E					SHEAI	D PERF	ORM	FIT 9.3F	PPG									20. DIIV.	WORK		0.75 2.5	4.5
	0300	0700	4.0	2	DRILL	AHEA	VD																				
																							OTHER Total F			0.0 24.0	112.0
(0	BIT#	12 1	ZE /4 05	TYPE 06FHX	HTC	MAKE	7	SERIA 017590		6X15	NOZZ	ZLES		IN @ 377	OL	JT @	DI	RILLED	HRS	6	CUM. HR	RS		CON	NDITION		ROP
BITS	2	12 1	/4 05	06FHX	HTC			017590		6X15				377													
"	2	12 1	/4 05	06FHX	HTC		7	017590)	6X15				377													
	_		/4 O						•		Pı	ump 3	l p			Ту	YPF	STROK	F Ma	0.0		RS I	Total HRS	s I MA	X PSI L	SPR K	(ILL (SPM)
	_	12 1	/4 05	GPM	HTC PRESSUR		Pump Liner	1 SPM	Pu Liner	ımp 2		ump 3		ump 4		1 Q-Z		STROM 9IN	N/A	nufactu		C	Total HRS	S MA	X PSI _k	SPR (ill Rate	(ILL (SPM)
PUMPS	_	Depth			PRESSUR	6	Pump Liner 7	SPM	Pu Liner 6	ump 2 SPN 70				ump 4	Pump Pump	1 Q-Z9 2 Q-Z9	9			nufactu		0	0.00 0.00 0.00	S MA	X PSI µ	SPR P	(ILL (SPM)
PUMPS	-	Depth		GPM	PRESSUF 355 748	6 6	Pump Liner 7	5 1 SPM 0	Pu Liner	70 90		r SP		ump 4	Pump Pump	1 Q-Z9 2 Q-Z9	9	9IN	N/A	nufactu		0	0.00 0.00			SPR (ill Rate	(ILL (SPM)
STRG PUMPS	- 377 - 4	Depth		GPM	PRESSUF 355 748	6 6	Pump Liner 7	5 1 SPM 0	Liner 6 6	70 90	M Line	r SP	M Line	ump 4	Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN 9IN	N/A	nufactu		0	0.00 0.00 0.00 0.00			SPR (ill Rate	(ILL (SPM)
PUMPS	- 377 - 4	Depth		GPM	PRESSUF 355 748	6 6	Pump Liner 7	5 1 SPM 0	Liner 6 6	70 90	M Line	r SP	M Line	ump 4	Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN 9IN	N/A	nufactu		0	0.00 0.00 0.00 0.00			SPR (ill Rate	CILL (SPM)
STRG PUMPS	- 377 - 4	Depth 495		GPM	PRESSUF 355 748	6 6	Pump Liner 7	5 1 SPM 0	Liner 6 6	70 90	M Line	r SP	M Line	ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN REPAIRS	N/A	nufactu		C C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	SPR (ill Rate P	
DRLLSTRG PUMPS	- 377 - 4	Depth 495 ZE		GPM	PRESSUF 355 748	6 6	Pump Liner 7	5 1 SPM 0	Liner 6 6	70 90	M Line	r SP	M Line	ump 4 or SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN REPAIRS	N/A N/A	nufactu A	rer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	I SURV	
DRLLSTRG PUMPS	LOCAT Co. No. HRS TO	Depth 495 ZE CION DDAY N WELL	WEIGHT	GPM	PRESSUF 355 748	6 6	Pump Liner 7	5 1 SPM 0	Liner 6 6	70 90	M Line	r SP	M Line	ump 4 or SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN REPAIRS	N/A N/A	nufactu A	rer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	I SURV	EYS
STRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA	Depth 495 ZE ION DDAY N WELL AST CHGE	WEIGHT	GPM	PRESSUF 355 748	6 6	Pump Liner 7	5 1 SPM 0	Liner 6 6	70 90	M Line	r SP	M Line	ump 4 or SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN REPAIRS	N/A N/A	nufactu A	rer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	I SURV	EYS
ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD	WEIGHT	GPM	355 748 DE I.D.	66 66	Pump Liner 7	0 0 0	Liner 6 6	70 90 D	M Line	r SP	M Line	ump 4 or SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN REPAIRS	N/A N/A	nufactu A	rer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	I SURV	EYS
ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD	WEIGHT	GPM GRAI GRAI 2255.0 0.00	355 748 DE I.D.	6 6 6	Pump Liner 7 9 TJ O.D.	0 0 0	Pu Liner 6 6 6 THREAL	70 90 D	# JNTS	r SP	M Line	ump 4 or SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN REPAIRS	N/A N/A	nufactu A	rer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	I SURV	EYS
DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B	Depth 495 ION DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Today This Well rand	WEIGHT	GPM 138 - GRAI	355 748 DE I.D.	BOILER 9	Pump Liner 7 9 TJ O.D.	SPM O O HO WN	Pu Liner 6 6 6 THREAL	70 90 D	# JNTS	r SP	M Line	ump 4 or SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN REPAIRS	N/A N/A	nufactu A	rer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	I SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ION DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Today This Well rand	WEIGHT	GPM 38 GRA 2255.0 0.00 -2255.1	355 748 DE I.D. 0 0 TOTAL	BOILER A BOI	Pump Liner 7 9 TJ O.D.	SPM O O O HO VN S FOO	Pu Liner 6 6 6 THREAT	70 90 D FUE	# JNTS	r SP	M Line	ump 4 or SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN REPAIRS	N/A N/A	nufactu A	rer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	I SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well rand BUTOR	WEIGHT	GPM 38 GRAI 2255.0 0.00 -2255.	355 748 DE I.D.	BOILER A BOI	Pump Liner 7 9 TJ O.D.	SPM O O O HO VN S FOO	Pu Liner 6 6 6 THREAT	70 90 D FUE	# JNTS	r SP	M Line	ump 4 or SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN REPAIRS	N/A N/A	nufactu A	rer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	I SURV	EYS
ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well rand BUTOR	WEIGHT	GPM 38 GRAI 2255.0 0.00 -2255.	355 748 DE I.D. 0 0 TOTAL HRS	BOILER A BOI	Pump Liner 7 9 TJ O.D.	O O O O O O O O O O O O O O O O O O O	Pu Liner 6 6 6 THREAL	70 90 D FUE	# JNTS # JNTS FOTAL DOTAGE	r SP	M Line	ump 4 or SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN REPAIRS	N/A N/A	nufactu A	rer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	I SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well rand BUTOR	WEIGHT	GPM 38 GRA 2255.0 0.00 -2255.1	355 748 DE I.D. 0 0 TOTAL HRS	BOILER A BOI	Pump Liner 7 9 TJ O.D.	SPM O O O HO VN S FOO	Pu Liner 6 6 6 THREAL	70 90 D FUE	# JNTS	r SP	M Line	ump 4 or SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN REPAIRS	N/A N/A	nufactu A	rer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	I SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well rand BUTOR	WEIGHT	GPM 38 GRAI 2255.0 0.00 -2255.	355 748 DE I.D. 0 0 TOTAL HRS	BOILER A BOI	Pump Liner 7 9 TJ O.D.	O O O O O O O O O O O O O O O O O O O	Pu Liner 6 6 6 THREAL	70 90 D FUE	# JNTS # JNTS FOTAL DOTAGE	NO.	M Line	IN HOLE	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN PIN PIN PIN PIN PIN PIN PIN PIN PIN P	O.D.	I.D.	LENG	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	DEVI/	ARKS	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well rand BUTOR	WEIGHT	GPM 38 GRAI 2255.0 0.00 -2255.	355 748 DE I.D. 0 0 TOTAL HRS	BOILER A BOI	Pump Liner 7 9 TJ O.D.	O O O O O O O O O O O O O O O O O O O	Pu Liner 6 6 6 THREAL	70 90 D FUE	# JNTS # JNTS FOTAL DOTAGE	NO.	LENGTH DF	ump 4 or SPM IN HOLE	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN PREPAIRS	N/A N/A	nufactu A	LENG	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	DEVI/	ATION	I SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well rand BUTOR	WEIGHT	GPM 38 GRAI 2255.0 0.00 -2255.	355 748 DE I.D. 0 0 TOTAL HRS	BOILER A BOI	Pump Liner 7 9 TJ O.D.	O O O O O O O O O O O O O O O O O O O	Pu Liner 6 6 6 THREAL	70 90 D FUE	# JNTS # JNTS FOTAL DOTAGE	NO.	LENGTH DF	IN HOLE	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN PREPAIRS	O.D.	I.D.	LENG	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	DEVI/	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well rand BUTOR	WEIGHT	GPM 38 GRAI 2255.0 0.00 -2255.	355 748 DE I.D. 0 0 TOTAL HRS	BOILER A BOI	Pump Liner 7 9 TJ O.D.	O O O O O O O O O O O O O O O O O O O	Pu Liner 6 6 6 THREAL	70 90 D FUE	# JNTS # JNTS FOTAL DOTAGE	NO. NO. KELL TOTA WT 0	LENGTH DF	IN HOLE	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN PREPAIRS	O.D.	I.D. 447.3 62.05	LENG	C C C DRII	0.00 0.00 0.00 0.00 LL STRING	DEVI/	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well rand BUTOR	WEIGHT	GPM 38 GRAI 2255.0 0.00 -2255.	355 748 DE I.D. 0 0 TOTAL HRS	BOILER A BOI	Pump Liner 7 9 TJ O.D.	O O O O O O O O O O O O O O O O O O O	Pu Liner 6 6 6 THREAL	70 90 D FUE	# JNTS # JNTS FOTAL DOTAGE	NO. NO. KELL TOTA WT 0	LENGTH DF	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN PREPAIRS	O.D.	I.D. 447.3 62.05 509.3	LENG	DRIII	0.00 0.00 0.00 0.00 LL STRING	DEVI	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well rand BUTOR	WEIGHT	GPM 38 GRAI 2255.0 0.00 -2255.	355 748 DE I.D. 0 0 TOTAL HRS	BOILER A BOI	Pump Liner 7 9 TJ O.D.	O O O O O O O O O O O O O O O O O O O	Pu Liner 6 6 6 THREAL	70 90 D FUE	# JNTS # JNTS FOTAL DOTAGE	NO. NO. KELL TOTA WT 0	LENGTH DF	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN PREPAIRS	O.D. O.D. FROM	I.D. 447.3 62.05 57.5	LENG	DRIII	DEPTH CODE	DEVI/PTH 60	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well rand BUTOR	WEIGHT	GPM 38 GRAI 2255.0 0.00 -2255.	355 748 DE I.D. 0 0 TOTAL HRS	BOILER A BOI	Pump Liner 7 9 TJ O.D.	O O O O O O O O O O O O O O O O O O O	Pu Liner 6 6 6 THREAL	70 90 D FUE	# JNTS # JNTS FOTAL DOTAGE	NO. NO. KELL TOTA WT 0	LENGTH DF	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN PREPAIRS	O.D. O.D. INDS GLES	I.D. 447.3 62.05 57.5	LENG	DRIII	DEPTH CODE	DEVI/	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well rand BUTOR	WEIGHT	GPM 38 GRAI 2255.0 0.00 -2255.	355 748 DE I.D. 0 0 TOTAL HRS	BOILER A BOI	Pump Liner 7 9 TJ O.D.	O O O O O O O O O O O O O O O O O O O	Pu Liner 6 6 6 THREAL	70 90 D FUE	# JNTS # JNTS FOTAL DOTAGE	NO. NO. KELL TOTA WT 0	LENGTH DF	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN PREPAIRS	O.D. O.D. FROM	I.D. 447.3 62.05 57.5	LENG	DRIII	DEPTH CODE	DEVI/PTH 60	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well rand BUTOR	WEIGHT	GPM 38 GRAI 2255.0 0.00 -2255.	355 748 DE I.D. 0 0 TOTAL HRS	BOILER A BOI	Pump Liner 7 9 TJ O.D.	O O O O O O O O O O O O O O O O O O O	Pu Liner 6 6 6 THREAL	70 90 D FUE	# JNTS # JNTS FOTAL DOTAGE	NO. NO. KELL TOTA WT 0	LENGTH DF	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN PREPAIRS	O.D. O.D. FROM	I.D. 447.3 62.05 57.5	LENG	DRIII	DEPTH CODE	DEVI/PTH 60	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS OI HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth 495 ZE JON DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well rand BUTOR	WEIGHT	GPM 38 GRAI 2255.0 0.00 -2255.	355 748 DE I.D. 0 0 TOTAL HRS	BOILER A BOI	Pump Liner 7 9 TJ O.D.	O O O O O O O O O O O O O O O O O O O	Pu Liner 6 6 6 THREAL	70 90 D FUE	# JNTS # JNTS FOTAL DOTAGE	NO. NO. KELL TOTA WT 0	LENGTH DF	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9	9IN 9IN PREPAIRS	O.D. O.D. FROM	I.D. 447.3 62.05 57.5	LENG	DRIII	DEPTH CODE	DEVI/PTH 60	ATION	I SURV	EYS

WE Al	IONEER OI ELLNAME DM Verification ERATOR	LFIELD SE	RVICES, L	LC			MOF DESCRIPTION		NG R	EPOR	T	DATE 2010	SPUD 09-2 3	RIG NO 15 DATE / TIM 3-10 1	ME 2:30	В ТҮРЕ	DAY 6	3 NO. (S FR SP		PROJ	- TYPE JECTED	
ΑI	-	DANIEL MIDL		HONE NUM	MBER	Maco		RESENTA	ATIVE	co.	MAN PI	IL	09-1	5-10 1 SE DATE	5:45		14	ATHER	————————————————————————————————————	E31.	RELEA	
W OP	WOOD ERATIONS @ REPO	ORT TIME		943-005			UGHESI					OPERA	ATIONS NEXT	24 HRS				OUDY/	49DE0	}		
Di	RILLING ACCIDENTS OR	NEAR MISSES:							# OF JSA	's RIG	SAFETY		LING/ PRI SAFETY RAT	E	G.P.S.	COORDI			BOP TES			
ΤΞ	NONE SAFETY MEETING							3	B # STOP C			NG DATE			CROW	8796 W N-O-MATIC			BOP DR			
SAFE	DRILLING/MI	IXING MUD&C		С	CREW M/U		EXTRA C	REWS / \	WHY?	9/24	\$AT70	00	OFFICE NO	TIFIED		OURS PAS	ST 24		BOP DR	LL DAT	E / TIME	
	CURRENT DEPTH	I FOOTAGE LAS	T 24 PEN. RATE	ROT	. HRS I	MAX. GAS	BCKGR	GAS	CONN. GA	S TRIP GA	ıs l	LAST CA	SING SIZE & S		104.0	0			RIG	cos	ΤS	
OPS	1151 HOOKLOAD	656	34.526	19.0	0	ROTATING			TARY TOR			13 3/8	SING SIZE & S						S 8			ENTAL
	23	23	23	3		23											DAILY					
	0500 8.5	27			10 S GEL 10				HTHP F		7	TODAY		сим. 0			AVERA	\GE	0.00		0.00	
MUD	Mud Type water	% SOLID	S % LCM % SAN			рН 8.5	MF P		CALCIUM 96	CHLORIDE 1000	ι	DAILY	MUD Co	CUM. 1					0.00		0.00	
	CENTRIFUGES		NATI	ER TYPE				21	REENS 0		(CHANGE	D	WATER :	SOURC		CUMUL DAYS	.ATIVE	6.0		6.0	
	FROM TO 700 715	0.25 21	safety mee	tina			DETAILS	OF OPER	RATIONS I	N SEQUENCE							\neg	IME BRE			(Today	/ Well)
	715 1030	3.25 2	DRILL ACT	TUAL F														2: DRILLI	NG		9.0	76.5
	1030 1200 1200 1400	1.5 8 2.0 2	GO THREV				(Τ)											3: REAMI 4: CORIN	G		-	4.75
	1400 1415 1415 1500	0.25 5 0.75 10	CIRC FOR					// DEG	: INCL)								1	5: COND. 6: TRIPS	& CIRC	0.	5	1.75 3.5
	1500 1515	0.25 21	SAFETY M	EETING	3				•								11	7: LUBRIO 8: REPAII		1.	5	4.25
	1515 1645 1645 1830	1.5 2 1.75 2	DRILL FRO			ETTING	COAL II	N SAM	IPLES									9: C/O DR 10: DEVI <i>l</i>			25	2.75
(D	1830 1930	1.0 2	DRILL FRO	M 936 T	TO 993							-						11: WIRE 12: RUN (LINE LO			2.0 3.75
100	2145 2230		DRILL 993 DRILL FRO															13: WAIT 14: NIPPI	ON CEM	ENT		8.5 17.5
TIME	2230 2245 2245 2300		CIRC. FOR			RVEY @	2 1150 F	<u> </u>										15: TEST	ВОР			5.75
	2300 2315	0.25 21	SAFTEY M	EETING	G													16: DRILL 17: PLUG	BACK			
	2315 2330 2330 2345	1	DEVIATION DRILL FRO															18: SQUE 19: FISHI	NG	INT		
	2345 0045 0045 0700	1.0 10 6.25 2	DEVIATION DRILL FRO				W 50											20: DIR. V	VORK	0.	75	5.25
	0043 0700	0.23	DIVILL TIX	JIVI 1102	2 10 1303	711																4.0
																		THER			4.0	400.0
	BIT# SIZ		MAKE		SERIAL#		NOZZ	LES		IN @	OU ⁻	Т @	DRILLED	HRS		CUM. HR		Total Ho	ours Condi	•	4.0	136.0 R O P
BITS	2 12 1/ 2 12 1/		HTC HTC		7017590 7017590	6X15				377 377					0.0							
B	2 12 1/	/4 0506FHX	НТС	7	7017590	6X15				377					0.0							
	Depth	GPM	PRESSURE	Pump		Pump 2		ımp 3		ump 4		TYP			nufacti				MAX P	SI SP Kill I	PR Rate KI	LL (SPM)
PUMPS	495 - 765	564	940		SPM Lir 90 6	ner SP	M Liner	SPM	l Line			1 Q-Z9 2 Q-Z9	9IN 9IN	N/A N/A			0.0					
P	765 - 984 1087 - 1151	565 627			90 6 100 6	90 100)				Pump 4						0.0					
STRG	SIZE	WEIGHT GRA	DE I.D.	TJ O.D.	THRE	EAD	# JNTS	LI	ENGTH	IN HOLE	_	RACK	REPAIRS				DRILL	. String	REMAR	KS		
DRL														†								
	LOCATION							NO.	DR	ILLING AS	SEMB	LY (BF	iA)	O.D.	I.D.	LENG	тн	D	EVIAT	ION S	URVE	YS
NES	Co. No. HRS TODAY							П										DEPT 750		INCL 75	24	AZM N/W
ENGINES	HRS ON WELL																	1151		, J	21	14/44
Ш	HRS LAST CHGE AVERAGE KVA																					
	DELIVERED TODA			TODAY	HOURS	FU	EL USED															
RIG FUEL	Used Today	1353.0 -1353.	00	WELL																		
RIG	Used This Well Fuel Brand	-1353.	BOILL	BOILER #																		
~	DISTRIBUTOR	UDG LAGT		VOLUMES	S	GE .	TOTAL															
MUD MTR	SERIAL#	HRS LAST 24	TOTAL HRS W	CUM. ELL HRS	FOOTA		TOTAL OOTAGE															
MUD											-											_
		DESCRIPT	TON		DAY RT	STDBY	HRLY															
40	1																					
SME					1			14		DRILL PI	PE		_	NDS	1367	7.55			DIR	ECTION	S TO	
L ITEMS									1				SIN	GLES	+							
								<u> </u>	DOWN													
RENTAL ITEMS								TOTAL		/ DRILLSTRIN	IG				1367	'.55						
	DRILL TO 150	O FT DROD SUB	VEY					TOTAL WT of	COLLARS	/ DRILLSTRIN AST INSPECT					1367 76.5	7.55	DE	ртн	DRILI	ED		
		0 FT DROP SUR JID SPEC ON LO						TOTAL WT of	COLLARS					FRC	76.5	ТО	C	EPTH ODE	RPI	Л		/.O.B.
RENTAL		JID SPEC ON LO						TOTAL WT of	COLLARS					FRC 495 765	76.5 DM			ODE 9		Л	7 5	I.O.B.
RENTAL	DRILLING FLU	JID SPEC ON LO						TOTAL WT of	COLLARS					495	76.5	то 765	C	9 9	RPM	1	7 5 8	7.O.B.
RENTAL	DRILLING FLU	JID SPEC ON LO						TOTAL WT of	COLLARS					495 765	76.5	то 765 984	C	9 9 7	RPI 0 12	1	7 5	J.O.B.
RENTAL	DRILLING FLU	JID SPEC ON LO						TOTAL WT of	COLLARS					495 765 984	76.5	то 765 984 1087	C	9 9 7	RPM 00 22 24	1	7 5 8	7.O.B.
	DRILLING FLU	JID SPEC ON LO						TOTAL WT of	COLLARS					495 765 984	76.5	то 765 984 1087	C	9 9 7	RPM 00 22 24	1	7 5 8	/.O.B.

Р	lO	NEE	R OI	LFIEL	D SE	RVICES	3. L	LC				MO	RNI	NG R	EPOF	?T	2010		20	RIG N	0. 30	B TYPE	JC	OB NO.		W	ELL TYPE	
WE	ELL	NAME		n Well			-, _				LEGAL	. DESCRIPT		110 1		<u> </u>	2010	0093	SPUD	15 DATE / TI 3-10 1			D/ 7	AYS FR SI	PUD	PR	OJECTED) TD
ОР	PER	RATOR			L MIDL	AND)					COUNT	TY / PARISH	l				STATI	Έ	JOB S	TART DAT	E		D/ 15	AYS ON J	ОВ	ES	T. RELEA	\SE
RIG	G M	MANAGE NOO D	:R			Í		HONE NU			OPERA	ATORS REP	_	TATIVE	cc	. MAN F			-	ASE DATE			w	EATHER LOUDY	//49D	EG		
ОР	PER	RATIONS		ORT TIME															NS NEXT	24 HRS	& CO	RE #1						
		ACCIDEN NONE	NTS OR	NEAR MIS	SES:									# OF JS/	A's RIG	SAFET	Y DAYS		FETY RAT		G.P.S.	coord 8 796 W					TE / PRES	
FETY	s	SAFETY		TOPICS										# STOP C	ARDS LAS	ST MEET	ING DAT	E				N-O-MATI					ATE / TIME	
SA	ŀ	AST INS	SPECTION	N INS	PECTION	BY / TITLE			CREW	M / U		EXTRA C	REWS /	WHY?				0	FFICE N	OTIFIED	MANHO 104.0	OURS PAS	ST 24		ВОР	DRILL D	ATE / TIME	E
S		URRENT	Γ DEPTH	F00T	AGE LAST	24 PEN. I		RO 15.	T. HRS	M	IAX. GAS	BCKGF	R GAS	CONN. G	AS TRIP G	AS			SIZE &	SET DEP1	Н				_	G CO		
OPS	_	IOOKLO			ICKUP WE			ACKOF			ROTATING	G I	RC	TARY TOF	QUE					SET DEP	ГН		DAIL	Y		S&R	R	RENTAL
	Ti	ime 230	Mud W	t IN / OL		el Vis PV	ı		10 S		M GEL	Fl. Loss 14.4	FILT C	K HTHP	L HTTP		TODAY	FU	EL ADDE	D TO MU			AVEF	RAGE	0.00)	0.00	 D
MUD		Mud Type vater			% SOLIDS	% LCM %		D % O		H2O	pH 9.0		PF	CALCIUN 96	1 CHLORID	ES	DAILY	1537	MUD C			00	СПМ	ULATIVE	0.00)	0.00	 D
2		ENTRIF	UGES)		_	ER TYPE		<u>l</u>	9.0	l l		CREENS	[1000		CHANGI		0.00		SOURCE	.	CUMU	JLATIVE	7.0		7.0	
		FROM	TO	HRS	CODE							DETAILS			IN SEQUENC	E				2				TIME BRI	EAKDO	OWN	(Toda)	y / Well)
			715 1000	0.25 2.75	21	safety DRILL			ROM	1 1385	TO 14	85												1: RIG U 2: DRILL			15.25	0.5 91.75
		000 300		3.0 2.0	5	DRILL MIX PI							AC TR	RUCK TO	O MOVE F	LUID							-	3: REAM 4: CORII				
	1:	500	1515	0.25	21	SAFET	ΥM	EETIN	G			MUD UP											-	5: COND		RC	7.5	9.25 3.5
	2	2045	2230	1	5 2	DRILL	FR	OM 15	84 TC	D 164	5												-	7: LUBR 8: REPA				4.25
			2300 2315	0.5 0.25	10 21	DEVIA SAFTE				1 DEG	REE E	82 @ 10	645											9: C/O D 10: DEV			0.5	3.25
ග	2			_	2	DRILL				1645	ГО												1	11: WIRI 12: RUN				2.0 3.75
2	F																							13: WAI		ſ		8.5 17.5
TIME	E																							15: TEST		M TEST		5.75
	H																							17: PLU				
	F																							19: FISH 20: DIR.				
	E																							SAFTE	Y MEE	ETING	0.75	0.75 4.0
	E																											
	F																							OTHER				5.25
	L	- I- "	Lou		7/05												. . .	l -		Lun	. 1			Total H	lours	•	24.0	160.0
ပ္	2		12 1/4	4 050	6FHX	HTC	IAKE		70175		6X15		ZLES		IN @	OL	JT @	DI	RILLED	HR	0.0		RS		CON	IDITION		ROP
BITS	2	2	12 1/4	A INST		ILITC			70175	590	6X15				377						0.0	0						
	2		12 1/4		6FHX 6FHX	HTC HTC			70175	590	6X15				377						0.0	0						
			12 1/4		6FHX	HTC	E		70175 np 1		6X15 Pump 2		ump 3	F			ТҮ	(PE	STROI	Œ Ma		0	IRS	Total HRS	S MA)	X PSI K	SPR ill Rate K	(ILL (SPM)
			12 1/4		GPM				np 1		Pump 2	PM Line			377 ump 4		1 Q-Z9 2 Q-Z9	9	STROI 9IN 9IN	KE Ma	0.0 0.0 nufactu	0	0	Total HRS	S MAX	X PSI K	SPR ill Rate K	KILL (SPM)
		D	12 1/4 epth		GPM	PRESSUR 1600 1636		Pun Liner	np 1 SPM	l Lin	Pump 2 er SF 100	PM Line			377 ump 4	Pump	1 Q-Z9 2 Q-Z9 3	9	9IN	N//	0.0 0.0 nufactu	0	0	0.00	S MA)	X PSI K	SPR III Rate	(ILL (SPM)
PUMPS	1:	D 385 - 1	12 1/4 Pepth 584 835		GPM	PRESSUR 1600 1636 1784		Pun Liner 6	100 100 95	Lin 6 6	Pump 2 er SP 100 100	PM Line	r SP		377 ump 4	Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN	N//	0.0 0.0 nufactu	0	0 0).00).00).00			SPR III Rate K	(ILL (SPM)
STRG PUMPS	1;	D ₀ 385 - 1 645 - 1	12 1/4 Pepth 584 835	4 050	GPM	PRESSUR 1600 1636 1784		Pun Liner 6 6	100 100 95	Lin 6 6 6	Pump 2 er SP 100 100	PM Line)	r SP	M Line	377 Jump 4 er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N//	0.0 0.0 nufactu	0	0 0	0.00 0.00 0.00 0.00			SPR ill Rate K	KILL (SPM)
STRG PUMPS	1;	D ₀ 385 - 1 645 - 1	12 1/4 Pepth 584 835	4 050	GPM	PRESSUR 1600 1636 1784		Pun Liner 6 6	100 100 95	Lin 6 6 6	Pump 2 er SP 100 100	PM Line)	r SP	M Line	377 Jump 4 er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N//	0.0 0.0 nufactu	0	0 0	0.00 0.00 0.00 0.00			SPR III Rate	KILL (SPM)
DRLLSTRG PUMPS	1: 1:	385 - 1 645 - 1 SIZE	12 1/4 eepth 584 835	4 050	GPM	PRESSUR 1600 1636 1784		Pun Liner 6 6	100 100 95	Lin 6 6 6	Pump 2 er SP 100 100	PM Line)	r SP	LENGTH	377 Jump 4 er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N//	0.0 0.0 nufactu	0	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	G REMA	ATION	SURVI	EYS
DRLLSTRG PUMPS	1: 1:	385 - 1 645 - 1 SIZE	12 1/4 septh 584 835	4 050	GPM	PRESSUR 1600 1636 1784		Pun Liner 6 6	100 100 95	Lin 6 6 6	Pump 2 er SP 100 100	PM Line)	r SP	LENGTH	377 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N//	0.0 0.0 nufactu A	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REMA	ARKS	SURVI	
STRG PUMPS	1; 10 C H	385 - 1 645 - 1 SIZE	12 1/4 septh 584 835	4 050	GPM	PRESSUR 1600 1636 1784		Pun Liner 6 6	100 100 95	Lin 6 6 6	Pump 2 er SP 100 100	PM Line)	r SP	LENGTH	377 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N//	0.0 0.0 nufactu A	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ATION	SURVI	EYS AZM
DRLLSTRG PUMPS	13 10 C H H	385 - 1 645 - 1 SIZE OCATION CO. NO. HRS TOD HRS ON WHS LAS	12 1/4 septh 584 835 N AY WELL T CHGE	WEIGHT	GPM	PRESSUR 1600 1636 1784		Pun Liner 6 6	np 1 SPM 100 100 95	Lin 6 6 6 THRE	Pump 2 er SP 100 100 95 AD	# JNTS	r SP	LENGTH	377 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N//	0.0 0.0 nufactu A	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ATION	SURVI	EYS AZM
. ENGINES DRLLSTRG PUMPS	1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1	385 - 1 645 - 1 SIZE OCATION ON WHEN TOD HEN TOD HEN LASS AVERAGE DELIVER ON Hand	12 1/4 Septh 584 835 N AY WELL T CHGE E KVA	WEIGHT	GPM GRAD	PRESSUF 1600 1636 1784 E I.D.		Pun Liner 6 6 6 TJ O.D	np 1 SPM 100 100 95	Lin 6 6 6	Pump 2 er SP 100 100 95 AD	PM Line)	r SP	LENGTH	377 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N//	0.0 0.0 nufactu A	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ATION	SURVI	EYS AZM
. ENGINES DRLLSTRG PUMPS	13 10 C C C H H H A C C C U U	DOCATION CO. NO. HRS TODA HRS LAS' AVERAGI DELIVER ON Hand Used Too Used Thi	epth 584 835 N AY WELL T CHGE E KVA RED TODA day is Well	WEIGHT	GPM GRAD	PRESSUF 1600 1636 1784 E I.D.	OILER	Pun Liner 6 6 6 TJ O.D	100 100 95	Lin 6 6 6 THRE	Pump 2 er SP 100 100 95 AD	# JNTS	r SP	LENGTH	377 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N//	0.0 0.0 nufactu A	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ATION	SURVI	EYS AZM
DRLLSTRG PUMPS	1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1; 1	DOCATION CO. NO. HRS TOD. HRS LAS' AVERAGI DELIVER ON Hand Used Too	12 1/4 septh 584 835 N ON O	WEIGHT	GPM GRAD 328.00 1025.00	PRESSUF 1600 1636 1784 E I.D.		Pun Liner 6 6 6 TJ O.D	# OWN	Lin 6 6 6 THRE	Pump 2 er SP 100 100 95 AD	# JNTS	r SP	LENGTH	377 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N//	0.0 0.0 nufactu A	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ATION	SURVI	EYS AZM
RIG FUEL ENGINES DRLLSTRG PUMPS	1; 1(C) H H H A C C U U F F C	.0CATION CO. NO. HRS TOD. HRS TOD. HRS LAS' AVERAGI DELIVER On Hand Used Too Used Thi Fuel Brai	12 1/4 septh 584 835 NAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	WEIGHT	GPM GRAD 328.00 1025.00 -328.00	PRESSUF 1600 1636 1784 E I.D.	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD	# OWN ES	Lin 6 6 6 THRE	Pump 2 er SP 100 100 95 AD FU	# JNTS	r SP	LENGTH	377 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N//	0.0 0.0 nufactu A	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ATION	SURVI	EYS AZM
RIG FUEL ENGINES DRLLSTRG PUMPS	1; 1(C) H H H A C C U U F F C	DOCATION CO. NO. HRS TOD. HRS LAS' AVERAGE DELIVER ON Hand Used Too Used Thi Fuel Brain	12 1/4 septh 584 835 NAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	WEIGHT HRS L	GPM GRAD 328.00 1025.00 -328.00	PRESSUR 1600 1636 1784 E I.D.	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er SP 100 100 95 AD FU	# JNTS # JNTS JEL USED	r SP	LENGTH	377 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N//	0.0 0.0 nufactu A	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ATION	SURVI	EYS AZM
RIG FUEL ENGINES DRLLSTRG PUMPS	1; 1(C) H H H A C C U U F F C	DOCATION CO. NO. HRS TOD. HRS LAS' AVERAGE DELIVER ON Hand Used Too Used Thi Fuel Brain	12 1/4 septh 584 835 NAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	WEIGHT HRS L 24	GPM GRAD 328.00 1025.00 -328.00	PRESSUR 1600 1636 1784 E	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er SP 100 100 95 AD FU	# JNTS # JNTS JEL USED	r SP	LENGTH	377 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N//	0.0 0.0 nufactu A	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ATION	SURVI	EYS AZM
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		DOCATION CO. NO. HRS TOD. HRS LAS' AVERAGE DELIVER ON Hand Used Too Used Thi Fuel Brain	12 1/4 septh 584 835 NAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	WEIGHT HRS L 24	328.00 1025.00 -328.00	PRESSUR 1600 1636 1784 E	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS DEL USED	r SP	LENGTH	377 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N//	0.0 0.0 nufactu A	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ATION	SURVI	EYS AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	13 10 C C H H H A C C C C C C C C C C C C C C	DOCATION CO. NO. HRS TOD. HRS LAS' AVERAGE DELIVER ON Hand Used Too Used Thi Fuel Brain	12 1/4 septh 584 835 NAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	WEIGHT HRS L 24	328.00 1025.00 -328.00	PRESSUR 1600 1636 1784 E	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS DEL USED	r SP	LENGTH	IN HOLE	Pump Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N//	0.0 0.0 nufactu A	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA TH	ATION	SURVI	EYS AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	13 10 C C H H H A C C C C C C C C C C C C C C	DOCATION CO. NO. HRS TOD. HRS LAS' AVERAGE DELIVER ON Hand Used Too Used Thi Fuel Brain	12 1/4 septh 584 835 NAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	WEIGHT HRS L 24	328.00 1025.00 -328.00	PRESSUR 1600 1636 1784 E	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS DEL USED	NO.	LENGTH	377 Pump 4 Per SPM IN HOLE	Pump Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N//	I.D.	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA TH	ATION INC 1 DG	SURVI	EYS AZM
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	13 10 C C H H H A C C C C C C C C C C C C C C	DOCATION CO. NO. HRS TOD. HRS LAS' AVERAGE DELIVER ON Hand Used Too Used Thi Fuel Brain	12 1/4 septh 584 835 NAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	WEIGHT HRS L 24	328.00 1025.00 -328.00	PRESSUR 1600 1636 1784 E	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS DEL USED	NO. NO. KELL TOTA	LENGTH DI LONG DI LONG	IN HOLE	Pump Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N// N// O.D.	I.D.	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA TH	ATION INC 1 DG	SURVI	EYS AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	11 10 C H H H A C C C U U F C	385 - 1 645 - 1 SIZE OCATIO Co. No. HRS TOD HRS LAS AVERAGI DELIVER ON Hand Used Too Used Thi Fuel Bran DISTRIBL SERIA	12 1/4 8584 835 ENAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	WEIGHT HRS L 24	328.00 1025.00 -328.00	PRESSUR 1600 1636 1784 E	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS DEL USED	NO. NO. NO. NO. NO. NO. NO. NO.	LENGTH DF LENGTH AL ACT DOWN AL Of COLLARS	SPM IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N// N// O.D.	I.D.	LENG	O O O O O O O O O O O O O O O O O O O	DEP 1645	DEVIATH	ATION INC 1 DG	SURVI	EYS AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		DO 385 - 1 645 - 1 SIZE OCATION CO. NO. HRS TOD. HRS TOD. HRS LAS' AVERAGI DELIVER ON Hand Used Too Used Thi Fuel Bran DISTRIBL SERIA	12 1/4 septh 584 835 N N N N N N N N N N N N N	WEIGHT HRS L 24	328.00 1025.00 -328.00	PRESSUF 1600 1636 1784 E I.D.	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS DEL USED	NO. NO. NO. NO. NO. NO. NO. NO.	LENGTH DF LENGTH AL ACT DOWN AL Of COLLARS	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N// N// O.D. O.D. ANDS GLES	0.00 nufactu A A 1936 1936 91.75	LENG	DD	DEPTH CODE	DEVIA TH	ATION INC 1 DG	SURVI	EYS AZM
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		385 - 1 645 - 1 SIZE OCATIO Co. No. HRS TOD HRS LAS' AVERAGI DELIVER ON Hand Used Too Used Thi Fuel Brai DISTRIBL SERIA	12 1/4 septh 584 835 N N N N N N N N N N N N N	WEIGHT HRS L 24	328.00 1025.00 -328.00	PRESSUR 1600 1636 1784 E	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS DEL USED	NO. NO. NO. NO. NO. NO. NO. NO.	LENGTH DF LENGTH AL ACT DOWN AL Of COLLARS	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N// N// N// O.D. ANDS GLES	0.0 0.0 nufactu A A 1.D. 1936 1936 91.75	LENG	O O O O O O O O O O O O O O O O O O O	DEPTH CODE	DEVIA	ATION INC 1 DG	SURVI	EYS AZM 2 E
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		DO 385 - 1 645 - 1 SIZE OCATION CO. NO. HRS TOD. HRS TOD. HRS LAS' AVERAGI DELIVER ON Hand Used Too Used Thi Fuel Brar DISTRIBL SERIA JSED 1 DESILT THE 291	12 1/4 septh 584 835 N N N N N N N N N N N N N	WEIGHT HRS L 24 L WN 28T 800	328.00 1025.00 -328.00	PRESSUE 1600 1636 1784 E I.D.	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS DEL USED	NO. NO. NO. NO. NO. NO. NO. NO.	LENGTH DF LENGTH AL ACT DOWN AL Of COLLARS	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N//	0.0 0.0 nufactu A A 1.D. 1936 1936 91.75	0 0 Irer H	DD	DEPTH CODE DOD DEPTH CODE	DEVIA TH DRII R 90	ATION INC 1 DG	SURVI	EYS AZM 2 E
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		385 - 1 645 - 1 SIZE OCATIO Co. No. HRS TOD HRS LAS' AVERAGI DELIVER ON Hand Used Too Used Thi Fuel Bran DISTRIBU SERIA	12 1/4 835 8835 8N	WEIGHT WEIGHT AY HRS L 24 CHANCE OF FUNCTION AND AND AND AND AND AND AND AND AND AN	GPM GRAD GRAD 328.00 1025.00 -328.00 JEL H BACK	PRESSUE 1600 1636 1784 E I.D.	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO. NO. NO. NO. NO. NO. NO. NO.	LENGTH DF LENGTH AL ACT DOWN AL Of COLLARS	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N//	0.0 0.0 nufactu A A 1.D. 1936 1936 91.75	0 0 Irer H	DD	DEPTH CODE DOD DEPTH CODE	DEVIA TH DRII F 90 80	ATION INC 1 DG	SURVI	EYS AZM 2 E
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		385 - 1 645 - 1 SIZE OCATIO Co. No. HRS TOD HRS LAS' AVERAGI DELIVER ON Hand Used Too Used Thi Fuel Bran DISTRIBU SERIA	12 1/4 835 8835 8N	WEIGHT WEIGHT AY HRS L 24 CHANCE OF FUNCTION AND AND AND AND AND AND AND AND AND AN	GPM GRAD GRAD 328.00 1025.00 -328.00 JEL H BACK	PRESSUE 1600 1636 1784 E I.D. TOTAL HRS	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO. NO. NO. NO. NO. NO. NO. NO.	LENGTH DF LENGTH AL ACT DOWN AL Of COLLARS	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N//	0.0 0.0 nufactu A A 1.D. 1936 1936 91.75	0 0 Irer H	DD	DEPTH CODE DOD DEPTH CODE	DEVIA TH DRII F 90 80	ATION INC 1 DG	SURVI	EYS AZM 2 E
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		385 - 1 645 - 1 SIZE OCATIO Co. No. HRS TOD HRS LAS' AVERAGI DELIVER ON Hand Used Too Used Thi Fuel Bran DISTRIBU SERIA	12 1/4 835 8835 8N	WEIGHT WEIGHT AY HRS L 24 CHANCE OF FUNCTION AND AND AND AND AND AND AND AND AND AN	GPM GRAD GRAD 328.00 1025.00 -328.00 JEL H BACK	PRESSUE 1600 1636 1784 E I.D. TOTAL HRS	BOILER	Pun Liner 6 6 7J O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO. NO. NO. NO. NO. NO. NO. NO.	LENGTH DF LENGTH AL ACT DOWN AL Of COLLARS	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	9 9	9IN 9IN REPAIRS	N//	0.0 0.0 nufactu A A 1.D. 1936 1936 91.75	0 0 Irer H	DD	DEPTH CODE DOD DEPTH CODE	DEVIA TH DRII F 90 80	ATION INC 1 DG	SURVI	EYS AZM 2 E

WEL AD	LNAME M Veri RATOR	ficatio	n Well :	#1	RVICES	, LL	.C				DESCRIPTI Y / PARISH	ON	NG	RE	EPOR	RT	STAT	0100	SPUD D 09-23	RIG NO 15 ATE / TIM -10 1: ART DATE	ле 2:30	В ТҮРЕ	8	DAYS FR SE		PR	LL TYPE DJECTED T. RELEA	TD TD
RIG	MANAGE WOOD	R	DANIE	L MIDLA	RI		ONE NU	UMBER		OPERA	TORS REPI		TATIVE		СО	. MAN	PH NO.		RELEAS				v	VEATHER	//QDF			
OPE	RATIONS REING	@ REPC	ORT TIME			10-3-	43-00	<i>,</i> ,,,,		F111	OGITES	<u> </u>							NS NEXT 2					<u> LOOD I</u>	/43DL			
			NEAR MIS	SES:									# OF .	JSA's	RIG 9	SAFE	TY DAYS		ETY RATE			COORD					E / PRES 0/250 F	
_ ∐T	SAFETY	MEETING	TOPICS										# STO	P CAR	RDS LAS	T MEE	TING DAT	Ē				I-O-MATI					TE / TIMI	
SAFET	LAST INS	PECTION	N INS	SPECTION	BY / TITLE			CREW M	I / U		EXTRA C	REWS /	/ WHY?	'	JIZ	7/1/	100	0	FFICE NO	TIFIED		URS PA	ST 24	ŀ	BOP D	RILL DA	TE / TIMI	E
	CURRENT	DEPTH			24 PEN. RA			OT. HRS	MA	XX. GAS	BCKGR	GAS	CONN	I. GAS	TRIP G	AS			SIZE & SI						RIG	COS	STS	
OPS	2132 HOOKLO	AD		ICKUP WE	406.09	SLA	5.2 ACKOF			OTATING	i	R	OTARY 1	TORQU	JE		13 3/8 NEXT C		SIZE & S	ET DEPT	Н		DAI	LV	S	& R	R	RENTAL
	80 Time	l l	8 t in/ou	T Funne	I Vis PV			T 10 S G	8 EL 10 I		I. Loss	FILT C	K HTI	HP FL	НТТР І	-C		FU	EL ADDED				DAI		0.00		0.00	<u> </u>
٥	7 Mud Type	9.4	1.	40 % SOLIDS	% LCM %		11 % 0	DIL % H	20	рН	MF F	PF	CALC	IUM	CHLORIDI	ES	TODAY		MUD CO					ERAGE MULATIVE	0.00		0.00	
\leq	water CENTRIF	UGES	8	3			R TYPE		[9	9.0			80 CREENS		2000		DAILY			WATER S			CUN	MULATIVE	0.00		0.00	
	FROM	ТО	HRS	CODE	N	ATIC	DNAL	_			DETAILS		210 ERATIO	NS IN	SEQUENC	E				HYD			DAY	'S TIME BRI	8.0	WN	8.0	y / Well)
		715	0.25	21	safety m			/ a a la a	م م م	.4														1: RIG U	P / DOW	/N	5.25	0.5 97.0
3	945	945 1500	2.5 5.25	2	work on DRILL F					ıı a110 \	vaive)													2: DRILL 3: REAM	ING			2.0
	1500 1515	1515 1600	0.25 0.75	21 5	CONDIT	ION	MUL) & CIR	CUI	ATE														4: CORII	. & CIR	С	2.0 3.75	13.0
-	1600	1900	3.0	6	SHORT	TRII	Р ТО	COLLA	ARS															6: TRIPS 7: LUBR	CATE R	liG	5.75	9.25
_	2200	2200 2230	0.5	5 10	CONDIT DEVIAT	ION	SUR	VEY																8: REPA 9: C/O D		NE	2.5	6.75
			0.5 0.25	6 21	START SAFTEY				OF H	OLE 1	DEGRE	E 10	NOR'	TH										10: DEV			0.5	3.75 2.0
၅၀	2315	0130	2.25	6	TRIP OL	JT F	OR C	ORE#																12: RUN 13: WAI				3.75 8.5
TIMEL	0130	0330	∠. U	4	PICK UF	- CC	JKE E	BAKRE	L															14: NIPF	LE UP I	Ī		17.5 5.75
F																								16: DRIL	L STEM	TEST		
																								18: SQU 19: FISH	EEZE C	TAM		
-																								20: DIR. SAFTE	WORK	TING	0 75	1.5
																								SAFIE	INICE	TING	0.75	4.0
-																								OTHER				5.25
	BIT#	SIZ	'F I	TYPE	l M/	AKE		SER	ΔΙ #		NOZZ	'I FS			IN @	Ιo	OUT @	l DE	RILLED	HRS		CUM. HF	25	Total H		DITION	20.5	180.5
ည	2	12 1/-	4 050	6FHX	нтс	- TIVE		701759	0	6X15	HOZZ	LLU		37	77		, o i e		VILLED	Tinto	0.00)			OOM	JIIIOIT		KOT
BITS	2	12 1/4	4 050	6FHX	нтс			701759	U	6X15				31	77						0.00)						
	D	epth		GPM	PRESSURE		Pur	mp 1	Р	ump 2	Pι	ımp 3		Pun	np 4			/PE	STROKE		0.00 ufactu		IRS		MAX	PSI Ki	SPR I Rate K	(ILL (SPM)
PUMPS	1925 - 2		59		1743		Liner	SPM 95	Line 6	r SPI	M Line	r SP	PM L	iner	SPM		p 1 Q-Z p 2 Q-Z		9IN 9IN	N/A				0.00				
2 <u>2</u>	2132 -					6	i		6							Pum								0.00				
STRG	SIZE		WEIGHT	GRADE	I.D.		TJ O.D).	THREA	AD .	# JNTS		LENGT	Ή	IN HOLE	C	ON RACK	F	REPAIRS				DR	ILL STRING	REMA	RKS		
DRLI																				†								
-	LOCATIO	N										NO.		DRIL	LING AS	SEM	IBLY (E	BHA)		O.D.	I.D.	LENG	TH		EVIA	TION	SURV	EYS
NES	Co. No.	AY										1	BIT	SUB	}							1.00 2.30		DEP 2132	TH	INC	L	AZM
Z	HRS ON \											1	МО	NEL	E OVER							30.59)	1				
	AVERAG	E KVA										1	KEL		\							41.00)					
	DELIVER On Hand		AY	1640.00			ODAY	Н	OURS	FUE	EL USED													_				
┖	Used Too Used Thi	-		-1312.00 -1640.00)	_ _	WELL) #																				
R 6	Fuel Brai	nd		<u> </u>		m E	BOILER BLOWD OLUM	OWN]				
	SERIA		HRS L		TOTAL	(CUM.	FO	OTAGI		ΓΟΤΑL		-											-				
MUD MTR	- JEINIF		24		HRS	WE	LL HRS	S LA	AST 24	FC	OOTAGE		1											1				
Σ																								1				
S			D	ESCRIPTION	ON			DAY	RT	STDBY	HRLY													1				
ITEMS													1												D	IRECTIO	NS TO	
AL I												22 1		С	ORILL P	IPE			STAI SING		2040. 31.66							
RENTAL				_			-		1			KELI TOTA	LY DOW	/N							2147.	80		_				
-												-			DRILLSTRII ST INSPEC				-	-	86000 97.0]				
	USED 6	56 GAL	OF FUI	EL				•	ı		•	_								FRC		ТО		DEPTH		LED PM		W.O.B.
S	CUTTIN	G COR	E #1 30	FT																1925		2132			90	171	17	
IAR																				2132								
REN																							_					
REPORT REMARKS				_							_				_										_			
REF																												

PI	101	NEER OII	LFIELI	D SER	VICES	i, Li	LC				MOI	RNI	NG R	EPOF	T	DATE 2010 ²	1002	RIG NO	J. JOB	TYPE	JO	B NO.		WEI	LL TYPE	
WE	LLN	AME Verification				,				LEGAL	DESCRIPTI		110 11		.	2010	SPUD	DATE / TIN 3-10 1:			DA 9	YS FR SP	UD	PRC	JECTED	TD
OPI	ERA				ND)					соинт	Y / PARISH					STATE IL	JOB S	TART DATI	<u> </u>		+-	YS ON JO	В	EST	. RELEA	SE
RIG	MA	NAGER			R		ONE NUI			OPERA	TORS REPI		TATIVE	СО	MAN PH			SE DATE			WE	EATHER	/49DE	G		
ОРІ		TIONS @ REPO	RT TIME													OPERA drillin	TIONS NEXT	24 HRS								
	AC	CCIDENTS OR I	NEAR MISS	SES:									# OF JSA	's RIG	SAFETY		SAFETY RAT		G.P.S. N 39.8	coordii 796 W	NATES -88.	s 8934			E / PRES 0/250 F	
FETY	SA	AFETY MEETING		cina ael	/chem								# STOP C	ARDS LAS	T MEETIN	NG DATE			CROWN-						TE / TIME	
SAI		ST INSPECTION		PECTION I			(CREW I	M / U		EXTRA C	REWS /	WHY?	0/2	., (110		OFFICE NO	OTIFIED	MANHOU 104.00		T 24		BOP DF	RILL DA	TE / TIME	
		RRENT DEPTH		GE LAST 2	24 PEN. R	ATE		. HRS	MA	AX. GAS	BCKGR	GAS	CONN. GA	AS TRIP G			SING SIZE & S						RIG	COS	STS	
ОР		OKLOAD		CKUP WEI	26.5 GHT		4.0 ACKOFF			ROTATING	<u> </u>	RC	TARY TOR	QUE		13 3/8 NEXT CAS	SING SIZE &	SET DEPT	Н	+	DAILY	,	S	& R	R	ENTAL
	93 Tim	ne Mud W	93 t IN / OUT	Funnel	Vis PV	93	YLD PT	10 S G	9 SEL 10 I		Fl. Loss	FILT C	K HTHP F	L HTTP I	c		FUEL ADDE				AVER		0.00		0.00	•
MUD		d Type	9/	49 SOLIDS	% LCM %	SANI	D % OII	 		pH	MF F	PF	CALCIUM		S	ODAY	MUD C					JLATIVE	0.00		0.00	
M		nter NTRIFUGES	8	l			ER TYPE		[9	9.0			REENS	2000	(CHANGE)	WATER S		U (CUMU	LATIVE	9.0		9.0	
	FF	ROM TO	HRS	CODE	N	AH	ONAL				DETAILS		210 ERATIONS	IN SEQUENC		2625.0	0	HYD		Į.	DAYS	TIME BRE		/N		/ Well)
	70 71	-	0.25 2.5	21 4	SAFET		EETIN	G													11-	1: RIG UF			1.0	0.5
	94	5 1115	1.5	6	TRIP ou	ıt of																2: DRILLI	ING	2	+.0 2.25 4.75	2.25 6.75
	11 13	15 1330 30 1500	2.25 1.5	6	laydow			rel/jar	s and	break	bit											4: CORIN	& CIRC	;		13.0
	15	<u> </u>	0.25	21	safety r	nee	ting															6: TRIPS 7: LUBRI	CATE RI		4.5	13.75
	16	45 1900	2.25	3	REAMI	NG																8: REPAI 9: C/O DF	RILL LIN	E		6.75
		00 2145 45 2300		2	DRILL f																	10: DEVI 11: WIRE	LINE LC			3.75 2.0
FOG			0.0	21	slight s	mee	el of oi	at 22														12: RUN 13: WAIT				3.75 8.5
TIME 1		00 2315 15		2	DRILL																-	14: NIPP 15: TEST		ОР		17.5 5.75
L	L																					16: DRILL 17: PLUG		TEST		
	F																					18: SQUE		MNT		
																						20: DIR. \	WORK		0.75	0.75
																										4.0
	_																									
																					_	OTHER			0.0	6.75
		BIT# SIZ		TYPE		AKE			RIAL#		NOZZ	ZLES		IN @	OUT	Г@	DRILLED	HRS	_	CUM. HRS		Total H	COND		16.25	196.75 R O P
BITS	2	12 1/4 12 1/4		SFHX SFHX	HTC			701759 701759		6X15 6X15				377 377					0.00							
В	2	12 1/4	4 0506	SFHX	HTC		•	701759	90	6X15				377					0.00							
S							Pum	p 1	Р	ump 2	Pι	ımp 3	l P	ump 4		TYP	E STROP	Œ Mar	ufactur	er HR	S 1		MAX	PSI S	PR Rate K	ILL (SPM)
PUMPS	_	Depth		GPM	PRESSURI	Ĕ ├		SPM	Line		M Line	r SP		r SPM	Pumn 1						0	00				
		32 - 2161		GPM	PRESSURI	(Liner	SPM	Line 6		M Line	r SP		r SPM	Pump 1	Q-Z9 Q-Z9	9IN 9IN	N/A N/A				.00				
		32 - 2161 60 - 2238		2	070		Liner 6 6	SPM 100	6 6 6	100			M Line		Pump 2 Pump 3 Pump 4	Q-Z9 Q-Z9	9IN 9IN	N/A			0. 0. 0.	.00 .00 .00				
		32 - 2161 60 - 2238	WEIGHT		070		Liner 6		6	100				IN HOLE	Pump 2 Pump 3 Pump 4	Q-Z9 Q-Z9	9IN	N/A			0. 0. 0.	.00		RKS		
STRG		32 - 2161 60 - 2238		2	070		Liner 6 6		6 6 6	100			M Line		Pump 2 Pump 3 Pump 4	Q-Z9 Q-Z9	9IN 9IN	N/A			0. 0. 0.	.00 .00 .00		RKS		
		32 - 2161 60 - 2238		2	070		Liner 6 6		6 6 6	100			M Line		Pump 2 Pump 3 Pump 4	Q-Z9 Q-Z9	9IN 9IN	N/A			0. 0. 0.	.00 .00 .00 L STRING	REMAR			
DRLLSTRG	210	32 - 2161 60 - 2238		2	070		Liner 6 6		6 6 6	100			M Line LENGTH		Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 B RACK	9IN 9IN REPAIRS	N/A		LENGT	0. 0. DRIL	.00 .00 .00 L STRING	REMAR	TION :	SURVE	
DRLLSTRG	LO Co.	32 - 2161 60 - 2238 SIZE CATION . No. S TODAY		2	070		Liner 6 6		6 6 6	100			LENGTH DR BIT BIT SU	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 B RACK	9IN 9IN REPAIRS	N/A N/A		1.00 2.30	0. 0. DRIL	.00 .00 .00 L STRING	REMAR			EYS AZM
STRG	LO Co. HR HR	32 - 2161 60 - 2238 SIZE CATION No. S TODAY S ON WELL S LAST CHGE		2	070		Liner 6 6		6 6 6	100			DR BIT BIT SU MONE CHANGE	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 B RACK	9IN 9IN REPAIRS	N/A N/A		1.00 2.30 30.59 .65	0. 0. DRIL	.00 .00 .00 L STRING	REMAR	TION :		
DRLLSTRG	LO Co. HR HR AV	32 - 2161 60 - 2238 SIZE CATION . No. S TODAY	WEIGHT	2	070		Liner 6 6	100	6 6 6	100AD			LENGTH DR BIT BIT SU MONE	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 B RACK	9IN 9IN REPAIRS	N/A N/A		1.00 2.30 30.59	0. 0. DRIL	.00 .00 .00 L STRING	REMAR	TION :		
ENGINES DRLLSTRG	LOCO. HR HR AV	32 - 2161 60 - 2238 SIZE CATION . No. S TODAY S ON WELL S LAST CHGE ERAGE KVA	WEIGHT	738.00	070		Liner 6 6 7 TJ O.D.	100	6 6 6 THREA	100AD	# JNTS		DR BIT BIT SU MONE CHANGE	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 B RACK	9IN 9IN REPAIRS	N/A N/A		1.00 2.30 30.59 .65	0. 0. DRIL	.00 .00 .00 L STRING	REMAR	TION :		
ENGINES DRLLSTRG	LO Co. HR HR AV DE On Us	32 - 2161 60 - 2238 SIZE CATION . No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA THAND	WEIGHT	2 GRADE	070	SOILER	TODAY WELL BOILER:	100	6 6 6 THREA	100AD	# JNTS		DR BIT BIT SU MONE CHANGE	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 B RACK	9IN 9IN REPAIRS	N/A N/A		1.00 2.30 30.59 .65	0. 0. DRIL	.00 .00 .00 L STRING	REMAR	TION :		
DRLLSTRG	LOCO. HR HR AV	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA Hand Hed Today Hed This Well	WEIGHT	738.00 902.00 -738.00	070	BOILER	Liner 6 6 7 TJ O.D. TODAY WELL	100	6 6 6 THREA	100AD	# JNTS		DR BIT BIT SU MONE CHANGE	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 B RACK	9IN 9IN REPAIRS	N/A N/A		1.00 2.30 30.59 .65	0. 0. DRIL	.00 .00 .00 L STRING	REMAR	TION :		
RIG FUEL ENGINES DRLLSTRG	LOC Co. HR HR AV DE On Us Fu DIS	32 - 2161 60 - 2238 SIZE CATION . No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA T Hand sed Today sed This Well sel Brand	WEIGHT	738.00 902.00 -738.00	070	BOILER	TODAY WELL BOILER:	100 H # DWN SS	6 6 6 THREA	100 AD	# JNTS		DR BIT BIT SU MONE CHANGE	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 B RACK	9IN 9IN REPAIRS	N/A N/A		1.00 2.30 30.59 .65	0. 0. DRIL	.00 .00 .00 L STRING	REMAR	TION :		
RIG FUEL ENGINES DRLLSTRG	LOC Co. HR HR AV DE On Us Fu DIS	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA Hand Hand Hed Today Hed Brand STRIBUTOR	WEIGHT	738.00 902.00 -738.00	070 I.D.	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	100 H # DWN SS	6 6 6 THREA	100 AD	# JNTS		DR BIT BIT SU MONE CHANGE	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 B RACK	9IN 9IN REPAIRS	N/A N/A		1.00 2.30 30.59 .65	0. 0. DRIL	.00 .00 .00 L STRING	REMAR	TION :		
ENGINES DRLLSTRG	LOC Co. HR HR AV DE On Us Fu DIS	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA Hand Hand Hed Today Hed Brand STRIBUTOR	WEIGHT AY HRS LA 24	738.00 902.00 -738.00	070 I.D.	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	100 H # DWN SS	6 6 6 THREA	100 AD	# JNTS		DR BIT BIT SU MONE CHANGE	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 B RACK	9IN 9IN REPAIRS	N/A N/A		1.00 2.30 30.59 .65	0. 0. DRIL	.00 .00 .00 L STRING	REMAR	TION :		
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. HR HR AV DE On Us Fu DIS	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA Hand Hand Hed Today Hed Brand STRIBUTOR	WEIGHT AY HRS LA 24	738.00 902.00 -738.00	070 I.D.	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	100 H # DWN SS	6 6 6 THREA	FU	# JNTS # JNTS # JNTS		DR BIT BIT SU MONE CHANGE	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 B RACK	9IN 9IN REPAIRS	N/A N/A		1.00 2.30 30.59 .65	0. 0. DRIL	.00 .00 .00 L STRING	EVIA-	INCL		
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. HR HR AV DE On Us Fu DIS	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA Hand Hand Hed Today Hed Brand STRIBUTOR	WEIGHT AY HRS LA 24	738.00 902.00 -738.00	070 I.D.	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	100 H # DWN SS	6 6 6 THREA	FU	# JNTS # JNTS # JNTS		DR BIT BIT SU MONE CHANGE	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 B RACK	9IN 9IN A) REPAIRS STA	N/A N/A O.D.		1.00 2.30 30.59 .65	0. 0. DRIL	.00 .00 .00 L STRING	EVIA-	TION :		
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. HR HR AV DE On Us Fu DIS	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA Hand Hand Hed Today Hed Brand STRIBUTOR	WEIGHT AY HRS LA 24	738.00 902.00 -738.00	070 I.D.	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	100 H # DWN SS	6 6 6 THREA	FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH BIT SU MONE CHANG KELLY	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 B RACK	9IN 9IN A) REPAIRS	O.D.	I.D.	1.00 2.30 30.59 .65	0. 0. DRIL	.00 .00 .00 L STRING	EVIA-	INCL		
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. HR HR AV DE On Us Fu DIS	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA Hand Hand Hed Today Hed Brand STRIBUTOR	WEIGHT AY HRS LA 24	738.00 902.00 -738.00	070 I.D.	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	100 H # DWN SS	6 6 6 THREA	FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 TOTA WT 0	LENGTH BIT SU MONE CHANG KELLY Y DOWN L f COLLARS	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON SSEMBI	Q-Z9 Q-Z9 B RACK	9IN 9IN A) REPAIRS	N/A N/A O.D.	1.D.	1.00 2.30 30.59 .65 41.00	0. 0. DRIL	.00 .00 .00 L STRING	EVIA-	INCL		
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. HR HR AV DE On Us Fu	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA Hand Hand Hed Today Hed Brand STRIBUTOR	HRS LA	738.00 902.00 -738.00	070 I.D.	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	100 H # DWN SS	6 6 6 THREA	FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 TOTA WT 0	LENGTH BIT SU MONE CHANG KELLY Y DOWN L	IN HOLE IN	Pump 2 Pump 3 Pump 4 ON SSEMBI	Q-Z9 Q-Z9 B RACK	9IN 9IN A) REPAIRS	N/A N/A O.D.	I.D.	1.00 2.30 30.59 .65 41.00	O. O. DRILL	.00 .00 .00 L STRING	EVIA-	FION S		
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LO Co. HR HR AV DE On Us Us Fu	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA CLIVERED TODA Hand Sed Today Sed This Well STRIBUTOR SERIAL #	WEIGHT AY HRS LA 24 DE	738.00 902.00 -738.00	O70 I I.D.	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	100 H # DWN SS	6 6 6 THREA	FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 TOTA WT 0	LENGTH BIT SU MONE CHANG KELLY Y DOWN L	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON SSEMBI	Q-Z9 Q-Z9 B RACK	9IN 9IN A) REPAIRS	O.D. O.D. ANDS GLES	75.54 103.25	1.00 2.30 30.59 .65 41.00	DI C	DEPT	EVIA-	FION SINCL	- I	
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LO Co HR HR AV DE On Us Fu DIS	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA Hand Sed Today Sed This Well STRIBUTOR SERIAL #	HRS LA 24	738.00 902.00 -738.00	O70 I I.D.	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	100 H # DWN SS	6 6 6 THREA	FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 TOTA WT 0	LENGTH BIT SU MONE CHANG KELLY Y DOWN L	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON SSEMBI	Q-Z9 Q-Z9 B RACK	9IN 9IN A) REPAIRS	O.D. O.D. INVA N/A INVA I	75.54 103.25	1.00 2.30 30.59 .65 41.00	TH D	DEPT	EVIATION DITERMINENT OF THE PROPERTY OF THE PR	FION SINCL	NS TO	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LO Co HR HR AV DE On Us Fu DIS	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA Hand Sed Today Sed This Well STRIBUTOR SERIAL #	HRS LA 24	738.00 902.00 -738.00	O70 I I.D.	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	100 H # DWN SS	6 6 6 THREA	FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 TOTA WT 0	LENGTH BIT SU MONE CHANG KELLY Y DOWN L	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON SSEMBI	Q-Z9 Q-Z9 B RACK	9IN 9IN A) REPAIRS	O.D. O.D. FRO 2132	75.54 103.25	1.00 2.30 30.59 .65 41.00	DI C	DEPT CODE 8	EVIATION DITERMENT OF THE PROPERTY OF THE PROP	FION SINCL	NS TO V	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LO Co HR HR AV DE On Us Fu DIS	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA Hand Sed Today Sed This Well STRIBUTOR SERIAL #	HRS LA 24	738.00 902.00 -738.00	O70 I I.D.	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	100 H # DWN SS	6 6 6 THREA	FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 TOTA WT 0	LENGTH BIT SU MONE CHANG KELLY Y DOWN L	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON SSEMBI	Q-Z9 Q-Z9 B RACK	9IN 9IN A) REPAIRS	O.D. O.D. INVA N/A INVA I	75.54 103.25	1.00 2.30 30.59 .65 41.00	DI C	DEPT CODE 8	EVIATION DITERMINENT OF THE PROPERTY OF THE PR	FION SINCL	NS TO	AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LO Co HR HR AV DE On Us Fu DIS	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA Hand Sed Today Sed This Well STRIBUTOR SERIAL #	HRS LA 24	738.00 902.00 -738.00	O70 I I.D.	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	100 H # DWN SS	6 6 6 THREA	FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 TOTA WT 0	LENGTH BIT SU MONE CHANG KELLY Y DOWN L	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON SSEMBI	Q-Z9 Q-Z9 B RACK	9IN 9IN A) REPAIRS	O.D. O.D. INVA N/A INVA I	75.54 103.25	1.00 2.30 30.59 .65 41.00	DI C	DEPT CODE 8	EVIATION DITERMENT OF THE PROPERTY OF THE PROP	FION SINCL	NS TO V	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LO Co HR HR AV DE On Us Fu DIS	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA ELIVERED TODA Hand Sed Today Sed This Well STRIBUTOR SERIAL #	HRS LA 24	738.00 902.00 -738.00	O70 I I.D.	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	100 H # DWN SS	6 6 6 THREA	FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 TOTA WT 0	LENGTH BIT SU MONE CHANG KELLY Y DOWN L	IN HOLE RILLING AS JB L GE OVER	Pump 2 Pump 3 Pump 4 ON SSEMBI	Q-Z9 Q-Z9 B RACK	9IN 9IN A) REPAIRS	O.D. O.D. INVA N/A INVA I	75.54 103.25	1.00 2.30 30.59 .65 41.00	DI C	DEPT CODE 8	EVIATION DITERMENT OF THE PROPERTY OF THE PROP	FION SINCL	NS TO V	AZM

Р	10	NEER (OIL	FIEL) SEF	VICES	3. L	LC				MOI	RNI	NG R	EPOF	RΤ	DATE 2010	01003		RIG NO). JUB	TYPE	JO	B NO.		W	ELL TYPE	
WE	ELLI	NAME VI Verifica									LEGAL	DESCRIPT				<u> </u>	2010	1003	SPUD DA 09-23-	TE / TIM			DA 10	YS FR SP	PUD	Pi	ROJECTE) TD
ОР	PER	ATOR (ARCHE				(ND)					соинт	TY / PARISH					STATE	E	ЈОВ STAI	RT DATE				YS ON JO	ОВ	E	ST. RELE	ASE
RIC	G M	IANAGER NOOD				, F		HONE NU			OPER#	ATORS REP		TATIVE	co	. MAN P			RELEASI				WE	EATHER	/49D	EG		
ОР	PER	ATIONS @ RI Ding pipe		T TIME					-		• '								S NEXT 24					11				
	A	ACCIDENTS (AR MISS	SES:									# OF JSA	's RIG	SAFET	Y DAYS	_	TY RATE		G.P.S. N 39.8	coordii 796 W	NATES -88.	s 8934			ATE / PRES 00/250	
FETY	s	SAFETY MEET	TING T	OPICS										# STOP C	ARDS LAS	T MEET	ING DATE	E				-O-MATIC					DATE / TIM	
SA		AST INSPECT	TION	INSF	PECTION	BY / TITLE			CREW	M/U		EXTRA C	REWS /	WHY?	0/2	7, (17,		OF	FICE NOT	IFIED		JRS PAS	T 24		ВОР	DRILL D	DATE / TIM	E
		URRENT DEF	PTH		GE LAST				T. HRS	M	IAX. GAS	BCKGR	GAS	CONN. G	AS TRIP G	AS			SIZE & SE						RIC	G CO	STS	
OPS	н	00KLOAD			CKUP WE	32.90 IGHT	SI	ACKOF			ROTATING	 3	RC	TARY TOR	QUE		13 3/8 NEXT C		SIZE & SE	T DEPTH	1	╛	DAILY	,	;	S&R		RENTAL
		ime Mu		95 IN / OUT	Funne	l Vis PV	95		10 S		9 5 M GEL I	FI. Loss	FILT C	K HTHP F	L HTTP	FC		FUE	L ADDED						0.00	`	0.0	<u> </u>
9		500. 9.4 lud Type	4	%	53 SOLIDS	% LCM 9	6 SAN	D % O	 L %		рН	MF F	PF	CALCIUM	CHLORID	ES	TODAY		MUD COS	-			AVER	JLATIVE			0.0	
MUD		vater ENTRIFUGES	S	8				ER TYPE			9.0			80 CREENS	2000		DAILY 'CHANGE	ED	v	VATER S	2323.5 SOURCE	,	CUMU	LATIVE	0.00			
	F	FROM TO	0	HRS	CODE	1	IAT	ONAL				DETAILS	_	210 ERATIONS	IN SEQUENC	E	2625.	.00	F	łYD			DAYS	TIME BRE	10.0		10.	y / Well)
		00 715			21	SAFET				10400	TO 04													1: RIG UI	P / DO		15.5	0.5 116.5
	10	'15 103 030 120	00 1	1.5	2 8	DRILL FIX RC	TAF	RY CH	AIN															2: DRILL 3: REAM	ING		13.3	2.25
		200 150 500 151			2 21	DRILL SAFET				l 2465	TO252	25											- 1-	4: CORIN	. & CII	RC	1.0	6.75 14.0
	1	515 174	45 2	2.5	2	DRILL	FRC	M 252	25 TO															6: TRIPS 7: LUBRI		RIG	0.25	14.0
		745 183 830 201	30 (15 1		10 2	DEVIA DRILL					33 BAD	KUN											- 1	8: REPAI 9: C/O DI			1.5	8.25
		015 211 115 230	15 1 00 1		10 2	DEVIA DRILL				RERUI	N AT 2	615												10: DEVI	ATION		1.75	5.5 2.0
90	2	300 231	15).25	21	SAFTE	ΥM	EETIN	IG															12: RUN 13: WAIT	CSG 8	CMNT		3.75 8.5
MEL		315 234 345 030	45 (00 (3		2 22	DRILL WAIT (<u>50 TO</u>	2675													_	14: NIPP 15: TEST	LE UP			17.5 5.75
III	0	300 054	45 4 45 1	2.75	2	DRILL	FR	OM 26																16: DRILI	L STEN			
		1545 064 1645 070			<u>5</u> 6	SHOR			<u>α Ul</u>	NOUL	.AIE													17: PLUG	EEZE			
	\vdash																							19: FISH		,	0.75	4.5
	F		_																				1				0.75 3.25	1.5 7.25
	E																						╬					
	H																							OTHER				6.75
	L	DIT#	0175		5/05				05	DIAL "		No	TI 50		IN G	Lau	ı . a	551		LIDO	1 4			Total H	ours		24.0	220.75
S	2	12	SIZE 2 1/4	0506		нтс	IAKE		70175		6X15		ZLES		IN @ 377	00	JT @	DKI	LLED	HRS	0.00		5		CON	IDITION		ROP
BITS	2	12	2 1/4	0506	FHX	HTC			70175 70175		6X15				377						0.00							
	2	12	2 1/4	0506	FHX	HTC			70175	,30	6X15				377													
	2								np 1		Pump 2		ımp 3	Р	ump 4		ТҮ	PE	STROKE	Man	0.00 0.00 ufacture		RS 1	Γotal HRS	S MAX	X PSI	SPR	KILL (SPM)
Sc	_	Depth			GPM	PRESSUF		Pun Liner	np 1 SPM		Pump 2 er SP	Pu Line			ump 4		1 Q-Z9	9 9	9IN	N/A	0.00		0.	.00	S MAX	X PSI	SPR (ill Rate	KILL (SPM)
	24	Depth 400 - 2465 465 - 2525			GPM 2	PRESSUR 2050 2050		Pun Liner 6	np 1 SPM 100 100	Lin 6 6	Pump 2 er SP 100	PM Line			ump 4	Pump Pump	1 Q-Z9 2 Q-Z9 3	9 9		_	0.00		0. 0.	.00 .00 .00	S MAX	X PSI K	SPR (ill Rate	KILL (SPM)
PUMPS	24 24 26	Depth 400 - 2465			GPM 2	PRESSUF 2050 2050 2125		Pun Liner 6	np 1 SPM 100 100	Lin 6	Pump 2 er SP 100 100	PM Line	r SP		ump 4	Pump Pump	1 Q-Z9 2 Q-Z9 3	9 9	9IN	N/A	0.00		0. 0. 0.	.00 .00			SPR (ill Rate	KILL (SPM)
STRG PUMPS	24 24 26	Depth 400 - 2465 465 - 2525 650 - 2749		627	GPM	PRESSUF 2050 2050 2125		Pun Liner 6 6	np 1 SPM 100 100	6 6 6	Pump 2 er SP 100 100	Pu Line	r SP	M Line	ump 4	Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9 9	9IN 9IN	N/A	0.00		0. 0. 0.	.00 .00 .00			SPR (ill Rate	KILL (SPM)
STRG PUMPS	24 24 26	Depth 400 - 2465 465 - 2525 650 - 2749		627	GPM	PRESSUF 2050 2050 2125		Pun Liner 6 6	np 1 SPM 100 100	6 6 6	Pump 2 er SP 100 100	Pu Line	r SP	M Line	ump 4	Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9 9	9IN 9IN	N/A	0.00		0. 0. 0.	.00 .00 .00			SPR (ill Rate	KILL (SPM)
Sc	24 24 24	Depth 400 - 2465 465 - 2525 650 - 2749		627	GPM	PRESSUF 2050 2050 2125		Pun Liner 6 6	np 1 SPM 100 100	6 6 6	Pump 2 er SP 100 100	Pu Line	r SP	M Line	ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	9IN 9IN	N/A	0.00		0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REM	ARKS	SPR (ill Rate	
DRLLSTRG PUMPS	24 24 26	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE		627	GPM	PRESSUF 2050 2050 2125		Pun Liner 6 6	np 1 SPM 100 100	6 6 6	Pump 2 er SP 100 100	Pu Line	r SP	LENGTH DF	IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	9IN 9IN	N/A N/A	0.00 ufactur	LENGT	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMA	ARKS	I SURV	
DRLLSTRG PUMPS	24 24 26 26 1 1	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL	W	627	GPM	PRESSUF 2050 2050 2125		Pun Liner 6 6	np 1 SPM 100 100	6 6 6	Pump 2 er SP 100 100	Pu Line	r SP	LENGTH DR BIT BIT SU MONE	IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	9IN 9IN	N/A N/A	0.00 ufactur	LENGT 1.00 2.30 30.59	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMA	ARKS	I SURV	EYS
STRG PUMPS	24 24 26 26 1 1 1 1 1 1 1 1 1 1 1	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY	- GE	627	GPM	PRESSUF 2050 2050 2125		Pun Liner 6 6	np 1 SPM 100 100	6 6 6	Pump 2 er SP 100 100	Pu Line	r SP	LENGTH DR BIT BIT SU MONE	IN HOLE JB L GE OVER	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	9IN 9IN	N/A N/A	0.00 ufactur	LENGT 1.00 2.30	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMA	ARKS	I SURV	EYS
ENGINES DRLLSTRG PUMPS	24 24 26 26 21 26 26 27 26 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHO	W GE	627 EIGHT	GPM 2 7 2 GRADE	PRESSUF 2050 2050 2125 E I.D.		Pun Liner 6 6 6 TJ O.D	np 1 SPM 100 100	6 6 6	Pump 2 er SP 100 100 AD	Pu Line	r SP	LENGTH DF BIT BIT SU MONE CHAN	IN HOLE JB L GE OVER	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	9IN 9IN	N/A N/A	0.00 ufactur	LENGT 1.00 2.30 30.59	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMA	ARKS	I SURV	EYS
ENGINES DRLLSTRG PUMPS	24 24 26 CC HII H H	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Jsed Today	W GE A	627 EIGHT	GPM 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRESSUF		Pun Liner 6 6	np 1 SPM 100 100	Lin 6 6 6 THRE	Pump 2 er SP 100 100 AD	Pu Line	r SP	LENGTH DF BIT BIT SU MONE CHAN	IN HOLE JB L GE OVER	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	9IN 9IN	N/A N/A	0.00 ufactur	LENGT 1.00 2.30 30.59	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMA	ARKS	I SURV	EYS
DRLLSTRG PUMPS	24 24 26 24 26 26 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand	W GE A	627 EIGHT	GPM 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRESSUF	LER	Pun Liner 6 6 6 TJ O.D	100 100 100	Lin 6 6 6 THRE	Pump 2 er SP 100 100 AD	Pu Line	r SP	LENGTH DF BIT BIT SU MONE CHAN	IN HOLE JB L GE OVER	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	9IN 9IN	N/A N/A	0.00 ufactur	LENGT 1.00 2.30 30.59	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMA	ARKS	I SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	24 24 26 26 21 21 21 21 21 21 21 21 21 21 21 21 21	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Jsed Today Jsed Today Jsed This We Fuel Brand DISTRIBUTOR	GE GODAY	627 EIGHT	GPM 2 2 7 2 GRADE 2519.00 -1781.00 -2519.00	PRESSUF 2050 2050 2125 E I.D.		Pun Liner 6 6 7 TJ O.D TODAY WELL BOILER BLOWD VOLUM	# OWN ES	HOURS	Pump 2 er	# JNTS	r SP	LENGTH DF BIT BIT SU MONE CHAN	IN HOLE JB L GE OVER	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	9IN 9IN	N/A N/A	0.00 ufactur	LENGT 1.00 2.30 30.59	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMA	ARKS	I SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	24 24 26 26 21 21 21 21 21 21 21 21 21 21 21 21 21	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO On Hand Jsed Today Jsed This We Fuel Brand	GE GODAY	627 EIGHT	GPM 2 2 7 2 GRADE 2519.00 -1781.00 -2519.00	PRESSUF	BOILER	Pun Liner 6 6 TJ O.D TODAY WELL BOILER BLOWD	# OWN ES	Lin 6 6 6 THRE	Pump 2 er	Pu Line	r SP	LENGTH DF BIT BIT SU MONE CHAN	IN HOLE JB L GE OVER	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	9IN 9IN	N/A N/A	0.00 ufactur	LENGT 1.00 2.30 30.59	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMA	ARKS	I SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	24 24 26 26 21 21 21 21 21 21 21 21 21 21 21 21 21	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Jsed Today Jsed Today Jsed This We Fuel Brand DISTRIBUTOR	GE GODAY	627 EIGHT	GPM 2 2 7 2 GRADE 2519.00 -1781.00 -2519.00	PRESSUF 2050 2125 E I.D.	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS TOTAL	r SP	LENGTH DF BIT BIT SU MONE CHAN	IN HOLE JB L GE OVER	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	9IN 9IN	N/A N/A	0.00 ufactur	LENGT 1.00 2.30 30.59	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMA	ARKS	I SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	24 24 26 24 26 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Jsed Today Jsed Today Jsed This We Fuel Brand DISTRIBUTOR	GE GODAY	627 EIGHT	GPM 2 2 7 2 GRADE 2519.00 -1781.00 -2519.00	PRESSUF 2050 2125 E	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS TOTAL	r SP	LENGTH DF BIT BIT SU MONE CHAN	IN HOLE JB L GE OVER	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	9IN 9IN	N/A N/A	0.00 ufactur	LENGT 1.00 2.30 30.59	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMA	ARKS	I SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	24 24 26 24 26 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Jsed Today Jsed Today Jsed This We Fuel Brand DISTRIBUTOR	GE GODAY	627 EIGHT	2519.00 -1781.00 -2519.00	PRESSUF 2050 2125 E	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS TOTAL COOTAGE	r SP	LENGTH DF BIT BIT SU MONE CHAN	IN HOLE JB L GE OVER	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	9IN 9IN	N/A N/A	0.00 ufactur	LENGT 1.00 2.30 30.59	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIATH	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	23 24 26 26 26 26 26 26 26	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Jsed Today Jsed Today Jsed This We Fuel Brand DISTRIBUTOR	GE GODAY	627 EIGHT	2519.00 -1781.00 -2519.00	PRESSUF 2050 2125 E	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS TOTAL COOTAGE	r SP	LENGTH DF BIT BIT SU MONE CHAN	IN HOLE JB L GE OVER	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	PAIRS STAN	O.D.	0.00 ufactur	LENGT 1.00 2.30 30.59 .65 41.00	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIATH	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	23 24 26 26 26 26 26 26 26	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Jsed Today Jsed Today Jsed This We Fuel Brand DISTRIBUTOR	GE GODAY	627 EIGHT	2519.00 -1781.00 -2519.00	PRESSUF 2050 2125 E	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH BIT SU MONE CHAN KELLY	IN HOLE IN END ASSESSED OF THE ASSESSED OF TH	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	PIN	O.D.	I.D.	LENGT 1.00 2.30 30.59 .65 41.00	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIATH	ATION	I SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	23 24 26 26 26 26 26 26 26	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Jsed Today Jsed Today Jsed This We Fuel Brand DISTRIBUTOR	GE GODAY	627 EIGHT	2519.00 -1781.00 -2519.00	PRESSUF 2050 2125 E	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH DR BIT BIT SU MONE CHAN KELLY AT DOWN AL of COLLARS	IN HOLE	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	PAIRS STAN	O.D.	I.D. 2697.3	ELENGT 1.00 2.30 30.59 .65 41.00	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIATH	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	24 24 26 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Jsed Today Jsed Today Jsed This We Fuel Brand DISTRIBUTOR	GE A ODAY	627 EIGHT	2519.00 -1781.00 -2519.00	PRESSUF 2050 2125 E	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH DR BIT BIT SU MONE CHAN KELLY AT DOWN AL of COLLARS	IN HOLE IN HOLE ORILLING AS	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	PAIRS STAN	O.D. O.B. DS ES	I.D. 2697.3	ELENGT 1.00 2.30 30.59 .65 41.00	TH	.00 .00 .00 .00 L STRING	DEVIA	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	24 24 26 26 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Jsed Today Jsed Today Jsed This We Fuel Brand DISTRIBUTOR SERIAL #	GE	627 EIGHT HRS LA 24	2519.00 -1781.00 -2519.00	PRESSUF 2050 2125 E I.D.	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH DR BIT BIT SU MONE CHAN KELLY AT DOWN AL of COLLARS	IN HOLE	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	STAN SINGL	O.D.	I.D. 2697.3	ELENGT 1.00 2.30 30.59 .65 41.00	TH D	DEPTH	DEVIA	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	24 24 26 26 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Used Today Used Today Used This We Fuel Brand DISTRIBUTOR SERIAL #	GE	627 EIGHT HRS LA 24	2519.00 -1781.00 -2519.00	PRESSUF 2050 2125 E I.D.	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH DR BIT BIT SU MONE CHAN KELLY AT DOWN AL of COLLARS	IN HOLE	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	PAIRS STAN SINGL	O.D. PRO	I.D. 2697.3 2772.9 118.75	ELENGT 1.00 2.30 30.59 .65 41.00	TH D	DEPTHCODE	DEVIATH F90	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	24 24 26 26 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Used Today Used Today Used This We Fuel Brand DISTRIBUTOR SERIAL #	GE	627 EIGHT HRS LA 24	2519.00 -1781.00 -2519.00	PRESSUF 2050 2125 E I.D.	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH DR BIT BIT SU MONE CHAN KELLY AT DOWN AL of COLLARS	IN HOLE	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	STAN SINGL	O.D. DS ES FRO 2400 2465	I.D.	ENGT 1.00 2.30 30.59 .65 41.00 37 37	O	DEPTH	DRII PORII POR	ATION	25 27 27	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	24 24 26 26 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Used Today Used Today Used This We Fuel Brand DISTRIBUTOR SERIAL #	GE	627 EIGHT HRS LA 24	2519.00 -1781.00 -2519.00	PRESSUF 2050 2125 E I.D.	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH DR BIT BIT SU MONE CHAN KELLY AT DOWN AL of COLLARS	IN HOLE	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	STAN SINGL	O.D. FRO 2400	I.D.	LENGT 1.00 2.30 30.59 .65 41.00 37 70 465	O	DEPTH	DEVIATH F90	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	24 24 26 26 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Used Today Used Today Used This We Fuel Brand DISTRIBUTOR SERIAL #	GE	627 EIGHT HRS LA 24	2519.00 -1781.00 -2519.00	PRESSUF 2050 2125 E I.D.	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH DR BIT BIT SU MONE CHAN KELLY AT DOWN AL of COLLARS	IN HOLE	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	STAN SINGL	O.D. DS ES FRO 2400 2465	I.D.	ENGT 1.00 2.30 30.59 .65 41.00 37 37	O	DEPTH	DRII PORII POR	ATION	25 27 27	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	24 24 26 26 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	Depth 400 - 2465 465 - 2525 650 - 2749 SIZE OCATION Co. No. IRS TODAY IRS ON WELL IRS LAST CHO EVERAGE KV. DELIVERED TO ON Hand Used Today Used Today Used This We Fuel Brand DISTRIBUTOR SERIAL #	GE	627 EIGHT HRS LA 24	2519.00 -1781.00 -2519.00	PRESSUF 2050 2125 E I.D.	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUMI	# OWN ES	HOURS	Pump 2 er	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH DR BIT BIT SU MONE CHAN KELLY AT DOWN AL of COLLARS	IN HOLE	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	RE	STAN SINGL	O.D. DS ES FRO 2400 2465	I.D.	ENGT 1.00 2.30 30.59 .65 41.00 37 37	O	DEPTH	DRII PORII POR	ATION	25 27 27	EYS

WE AI OPI	ONEER LLNAME OM Verifica ERATOR	ation We	I #1		, LL	С		COUNT	DESCRIPTI		NG R	EPOR	<u> </u>	DATE 2010100 STATE	SPUD DA 09-23-	-10 12 RT DATE	ie 2:30		JOB NO. DAYS FR S 11 DAYS ON .		PROJECT	ED TD
RIG	M (ARCH MANAGER	ER DANI	EL MIDL	RIC		NE NUMB	ER		TORS REP		ATIVE	co.	MAN PH N	IL NO.	09-15-				19 WEATHER			
	WOOD ERATIONS @ F	REPORT TIM	 E	61	18-94	3-0053		PT H	UGHESI	₹				OPERATIO	NS NEXT 2	4 HRS			CLOUD	//49DEC	}	
CC	OREING #2		IISSES:							1	# OF JSA	's RIG S	AFETY D	tripping	Corein		G.P.S. C	OORDINA	TES	BOP TES	ST DATE / PF	FSSURF
SAFETY	NONE SAFETY MEE COREING LAST INSPEC	ETING TOPIC	s NG	DV / TITLE		Loni	-14/ 14/ /11		EVEDA O		3 # STOP C	12 ARDS LAST	MEETING AT700	DATE		,	N 39.87 CROWN-C YES	96 W -8	38.8934 CHECKED	9/27/10 BOP DRI	/1100/25	D PSIG
S	LAST INSPEC		NSPECTION			CRI	EW M/U		EXTRA C	REWS /	WHY?				FFICE NOT	9	96.00	S PASI 2	24		LL DATE/T	
S	2766	EPTH FOO 17	TAGE LAST	24 PEN. RA 0.0	ATE	ROT. H	RS M	IAX. GAS	BCKGR	GAS	CONN. G	AS TRIP GA		AST CASING 3 3/8	SIZE & SE	T DEPTH	I			RIG s &	COSTS	RENTAL
OPS	HOOKLOAD 95	•	PICKUP WE	IGHT	SLA0 95	CKOFF		ROTATING	•	RO	TARY TOR	QUE	NE	EXT CASING	SIZE & SE	T DEPTI	1	D/	AILY			7127772
	Time M 0200 9.	lud Wt IN / 0	OUT Funne	el Vis PV	Y	LD PT 1	0 S GEL 10	M GEL F	I. Loss	FILT CK	HTHP F	L HTTP FO		FUI	EL ADDED	то мир :им. 0 .		A۱	/ERAGE	0.00	0	00
MUD	Mud Type		% SOLIDS	% LCM %	SAND	% OIL	1	pH	MF P	PF .	CALCIUM		3	ALY 3591	MUD COS	STS		CI	JMULATIVE	0.00	0	00
Σ	water CENTRIFUGE	S	8		HAKER			9.0	<u> </u>	sc	REENS	2000	СН	IANGED	١	WATER S	5915.00 SOURCE	CL	MULATIVE	11.0		1.0
	FROM T	TO HRS	CODE	N	ATIO	NAL			DETAILS		10 RATIONS	N SEQUENCE	2	625.00	ı	HYD		DA	YS TIME BR	EAKDOW		day / Well)
	700 71		21	SAFETY															1	JP / DOWN		0.5
	715 81 815 10	5 1.0 15 2.0	6 5	SHORT			RIP												2: DRIL 3: REA			2.25
		00 0.75	10	DEVIAT				N)											4: COR 5: CON	NG D. & CIRC	5.5 2.0	12.25 16.0
		00 3.0 00 1.0	6 4	T.O.O.H PICK UF															6: TRIP	S RICATE RIG	7.25	21.25
		0.25 30 3.25	21 6	SAFETY TIH W			DEI TO	2740 4	VVID CID	<u> </u>									8: REP	AIR RIG		8.25
	1830 23	00 4.5	4	CORING	OT 6	2766	WEL IO	<u> </u>	ZIAD CIK	<u>. </u>									10: DE\	RILL LINE	0.75	6.25
ප	2300 23 2315	0.25 0.0	21 4	SAFTEY																ELINE LOC		3.75
E LOG			- - -	JOINING	- <u>- 1 U</u>	.														T ON CEMI	ľ	8.5 17.5
TIME																			15: TES			5.75
																			17: PLU	GBACK		
																			19: FISI		N I	
																			20: DIR	WORK	0.75	2.25
																						7.25
																			OTHER	₹		6.75
	BIT#	SIZE	TYPE	M/	AKE		SERIAL#		NOZZ	I FS		IN @	OUT (@ DE	RILLED	HRS	CI	JM. HRS	Total I	dours	16.25	237.0 R O P
S	2 1	2 1/4 0	506FHX	HTC			17590	6X15				377		0 0		10	0.00			0011211		
BITS	2 1	2 1/4 0	506FHX	HTC		70	17590	6X15				377					0.00					
						Pump 1		Pump 2	Pu	ımp 3	ĺР	ump 4		TYPE	STROKE	Man	0.00 ufacture	HRS	Total HR	S MAX P	SI SPR	KILL (SPM)
PUMPS	Depti	h I				iner S	PM Lin		M Liner	SPI			Pump 1	Q-Z9	9IN 9IN	N/A						
	2749 - 2766		GPM	PRESSURE	L	illei S	T T	ei Sr					Dumn 2			N/A			0.00			
PUI	2749 - 2766 2766 -				6 6		6 6	ei Sr					Pump 2 Pump 3			N/A			0.00			
				667	6 6 6	10 J O.D.	6 6		# JNTS		ENGTH		-		EPAIRS	N/A		D	0.00	G REMARI	(S	
	2766 -	6		667	6 6 6	10	6 6 0 6				ENGTH		Pump 3			N/A		D	0.00 0.00 0.00	G REMARI	KS	
STRG	2766 -	6		667	6 6 6	10	6 6 0 6				_ENGTH		Pump 3			N/A		D	0.00 0.00 0.00	G REMARI	KS	
STRG	2766 - SIZE	6		667	6 6 6	10	6 6 0 6					IN HOLE	ON R	RACK		N/A		D	0.00 0.00 0.00 RILL STRIN			
DRLLSTRG	2766 -	6		667	6 6 6	10	6 6 0 6			NO.	DF		ON R	RACK		N/A		LENGTH	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	
DRLLSTRG	2766 - SIZE LOCATION Co. No. HRS TODAY	6 WEIGH		667	6 6 6	10	6 6 0 6				DF BIT BIT SU	IN HOLE	ON R	RACK				LENGTH 1.00 2.30	0.00 0.00 0.00 RILL STRIN	DEVIAT		VEYS AZM
STRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH	WEIGH		667	6 6 6	10	6 6 0 6				BIT BIT SU MONE CHAN	IN HOLE RILLING ASS JB L GE OVER	ON R	RACK			;	LENGTH 1.00 2.30 30.59 65	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	
DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL	WEIGH		667	6 6 6	10	6 6 0 6 THRE	AD	# JNTS		BIT BIT SU MONE	IN HOLE RILLING ASS JB L GE OVER	ON R	RACK			;	LENGTH 1.00 2.30 30.59	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	
. ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED TON Hand	WEIGH	1804.00	667 E I.D.	6 6 6 7	JO.D.	6 6 0 6	AD			BIT BIT SU MONE CHAN	IN HOLE RILLING ASS JB L GE OVER	ON R	RACK			;	LENGTH 1.00 2.30 30.59 65	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	
. ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV	L HGE VA	Γ GRAD	667 E I.D.	6 6 6 7 7 70 W	10 J O.D.	6 6 0 6 THRE	AD	# JNTS		BIT BIT SU MONE CHAN	IN HOLE RILLING ASS JB L GE OVER	ON R	RACK			;	LENGTH 1.00 2.30 30.59 65	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	
DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED TO On Hand Used Today	L HGE VA TODAY	1804.00 715.00	667 E I.D.	BOLER 6 6 8 8 8 8 8 8	JO.D.	6 6 0 6 THRE	AD	# JNTS		BIT BIT SU MONE CHAN	IN HOLE RILLING ASS JB L GE OVER	ON R	RACK			;	LENGTH 1.00 2.30 30.59 65	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	
RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand	WEIGH L HGE VA TODAY	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL	BOILER A DECEMBER A DECEMBER	DDAY ELL DILER # COWDOWN DLUMES UM.	6 6 0 6 THRE	AD FU	# JNTS # JNTS EL USED		BIT BIT SU MONE CHAN	IN HOLE RILLING ASS JB L GE OVER	ON R	RACK			;	LENGTH 1.00 2.30 30.59 65	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	
RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand DISTRIBUTOR	WEIGH L HGE VA TODAY	1804.00 715.00 -1804.0	667 E I.D.	BOILER A DECEMBER A DECEMBER	DDAY ELL DILER #	6 6 0 6 THRE	AD FU	# JNTS		BIT BIT SU MONE CHAN	IN HOLE RILLING ASS JB L GE OVER	ON R	RACK			;	LENGTH 1.00 2.30 30.59 65	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	
. ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand DISTRIBUTOR	WEIGH L HGE VA TODAY	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL	BOLER 6 6 6 8 W W BI W BI VC	DDAY ELL DILER # COWDOWN DLUMES UM.	6 6 0 6 THRE	AD FU	# JNTS # JNTS EL USED		BIT BIT SU MONE CHAN	IN HOLE RILLING ASS JB L GE OVER	ON R	RACK			;	LENGTH 1.00 2.30 30.59 65	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand DISTRIBUTOR	WEIGH L HGE VA TODAY	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL HRS	BOLER 6 6 6 8 W W BI W BI VC	DDAY ELL DILER # COWDOWN DLUMES UM.	6 6 0 6 THRE	AD FU	# JNTS # JNTS EL USED		BIT BIT SU MONE CHAN	IN HOLE RILLING ASS JB L GE OVER	ON R	RACK			;	LENGTH 1.00 2.30 30.59 65	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand DISTRIBUTOR	WEIGH L HGE VA TODAY	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL HRS	BOLER 6 6 6 8 W W BI W BI VC	DDAY ELL DILER # COWDOWN DLUMES UM.	HOURS FOOTAGE LAST 24	AD FU	# JNTS # JNTS # JNTS		BIT BIT SU MONE CHAN	IN HOLE RILLING ASS JB L GE OVER	ON R	RACK			;	LENGTH 1.00 2.30 30.59 65	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand DISTRIBUTOR	WEIGH L HGE VA TODAY	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL HRS	BOLER 6 6 6 8 W W BI W BI VC	DDAY ELL DILER # COWDOWN DLUMES UM.	HOURS FOOTAGE LAST 24	AD FU	# JNTS # JNTS # JNTS		BIT BIT SU MONE CHAN	IN HOLE RILLING ASS JB L GE OVER	ON R	RACK	STAN	O.D.	;	LENGTH 1.00 2.30 30.59 65 41.00	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand DISTRIBUTOR	WEIGH L HGE VA TODAY	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL HRS	BOLER 6 6 6 8 W W BI W BI VC	DDAY ELL DILER # COWDOWN DLUMES UM.	HOURS FOOTAGE LAST 24	AD FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BIT SU MONE CHAN KELLY	IN HOLE RILLING ASS BB L GE OVER	ON R	RACK	EPAIRS	O.D.	2697.37	LENGTH 1.00 2.30 30.59 65 41.00	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	AZM
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand DISTRIBUTOR	WEIGH L HGE VA TODAY	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL HRS	BOLER 6 6 6 8 W W BI W BI VC	DDAY ELL DILER # COWDOWN DLUMES UM.	HOURS FOOTAGE LAST 24	AD FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 1 1 1 TOTAL WT of	DF BIT SU MONE CHAN KELLY	IN HOLE RILLING ASS BB L GE OVER	PE	RACK	STAN	O.D.	2697.37	LENGTH 1.00 2.30 30.59 65 41.00	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand DISTRIBUTOR	WEIGH LL HGE VA TODAY TODAY	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL HRS	BOLER 6 6 6 8 W W BI W BI VC	DDAY ELL DILER # COWDOWN DLUMES UM.	HOURS FOOTAGE LAST 24	AD FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 1 1 1 TOTAL WT of	DF BIT SU MONE CHAN KELLY	IN HOLE IN	PE	RACK	STAN	O.D.	2697.37	LENGTH 1.00 2.30 30.59 65 41.00	0.00 0.00 0.00 RILL STRIN	DEVIAT	ION SUR	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand DISTRIBUTOR SERIAL #	WEIGH L HGE VA TODAY Vell R HRS	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL HRS	BOLER 6 6 6 8 W W BI W BI VC	DDAY ELL DILER # COWDOWN DLUMES UM.	HOURS FOOTAGE LAST 24	AD FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 1 1 1 TOTAL WT of	DF BIT SU MONE CHAN KELLY	IN HOLE RILLING ASS BB L GE OVER	PE	RACK	STAN	O.D.	2697.37 2772.91 96000 118.75	LENGTH 1.00 2.30 30.59 65 11.00	DEPTH CODE	DEVIAT PTH DIR	ED	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED TO ON Hand Used Today Used This W Fuel Brand DISTRIBUTOR SERIAL #	WEIGH L HGE VA TODAY Vell R HRS	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL HRS	BOLER 6 6 6 8 W W BI W BI VC	DDAY ELL DILER # COWDOWN DLUMES UM.	HOURS FOOTAGE LAST 24	AD FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 1 1 1 TOTAL WT of	DF BIT SU MONE CHAN KELLY	IN HOLE RILLING ASS BB L GE OVER	PE	RACK	STAN	O.D.	2697.37 2772.91 96000 118.75	LENGTH 1.00 2.30 30.59 65 11.00	DEPTH CODE	DEVIAT	ED	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand DISTRIBUTOR SERIAL #	WEIGH L HGE VA TODAY Vell R HRS	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL HRS	BOLER 6 6 6 8 W W BI W BI VC	DDAY ELL DILER # COWDOWN DLUMES UM.	HOURS FOOTAGE LAST 24	AD FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 1 1 1 TOTAL WT of	DF BIT SU MONE CHAN KELLY	IN HOLE RILLING ASS BB L GE OVER	PE	RACK	STAN	O.D. DS LES FRO 2749	2697.37 2772.91 96000 118.75	LENGTH 1.00 2.30 30.59 65 11.00	DEPTH CODE	DEVIAT PTH	ED 5	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand DISTRIBUTOR SERIAL #	WEIGH L HGE VA TODAY Vell R HRS	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL HRS	BOLER 6 6 6 8 W W BI W BI VC	DDAY ELL DILER # COWDOWN DLUMES UM.	HOURS FOOTAGE LAST 24	AD FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 1 1 1 TOTAL WT of	DF BIT SU MONE CHAN KELLY	IN HOLE RILLING ASS BB L GE OVER	PE	RACK	STAN	O.D. DS LES FRO 2749	2697.37 2772.91 96000 118.75	LENGTH 1.00 2.30 30.59 65 11.00	DEPTH CODE	DEVIAT PTH	ED 5	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand DISTRIBUTOR SERIAL #	WEIGH L HGE VA TODAY Vell R HRS	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL HRS	BOLER 6 6 6 8 W W BI W BI VC	DDAY ELL DILER # COWDOWN DLUMES UM.	HOURS FOOTAGE LAST 24	AD FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 1 1 1 TOTAL WT of	DF BIT SU MONE CHAN KELLY	IN HOLE RILLING ASS BB L GE OVER	PE	RACK	STAN	O.D. DS LES FRO 2749	2697.37 2772.91 96000 118.75	LENGTH 1.00 2.30 30.59 65 11.00	DEPTH CODE	DEVIAT PTH	ED 5	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WEL HRS LAST CH AVERAGE KV DELIVERED On Hand Used Today Used This W Fuel Brand DISTRIBUTOR SERIAL #	WEIGH L HGE VA TODAY Vell R HRS	1804.00 715.00 -1804.0	667 E I.D. 0 TOTAL HRS	BOLER 6 6 6 8 W W BI W BI VC	DDAY ELL DILER # COWDOWN DLUMES UM.	HOURS FOOTAGE LAST 24	AD FU	# JNTS # JNTS # JNTS	NO. 1 1 1 1 1 1 1 1 TOTAL WT of	DF BIT SU MONE CHAN KELLY	IN HOLE RILLING ASS BB L GE OVER	PE	RACK	STAN	O.D. DS LES FRO 2749	2697.37 2772.91 96000 118.75	LENGTH 1.00 2.30 30.59 65 11.00	DEPTH CODE	DEVIAT PTH	ED 5	AZM

Р	IO	NEER OIL	FIFI D SF	RVICES	S. 1 I	C			MOF	2 NII	NG F	EPOF	T	DATE	01005		RIG NO	. 306	3 TYPE	JOB	NO.		WELL TY	PE.	
WE	ELLI	NAME M Verification			, LL			LEGAL	DESCRIPTI		NG I	LI OI	<u> </u>	2010	01005	SPUD DA' 09-23-1				DAY 12	S FR SPL	D	PROJEC	TED TI	D D
ОР	PER	ATOR		AND)					Y / PARISH					STAT	E	JOB STAF	RT DATE			DAY	S ON JO	В	EST. RE	LEASE	<u> </u>
RIC	G M	I (ARCHER I	DANIEL WIIDI	F		ONE NUN		_	TORS REP	_	TATIVE	СО	. MAN F	IL PH NO.		09-15-					ATHER	40550			
OP	PER	NOOD ATIONS @ REPOR	RT TIME	(518 - 9	43-005	3	PT H	IUGHESI	K				OPE	RATION	S NEXT 24	HRS		_	CLC	OUDY/	49DEG			
D		LLING ACCIDENTS OR N	IEAR MISSES:								# OF JS/	A's RIG	SAFET	DRII		S/ MIX N			/I COORDIN	NATES		BOP TEST	DATE / PI	RESSU	RE
ΕΤΥ	N	IONE SAFETY MEETING	TOPICS								3 # STOP 0	ARDS LAS	T MEET	TING DAT	E		1	N 39.8	796 W	-88.8	934 9	0/27/10/1	100/25	0 PS	
AF	M	AKEING CO	NN&MIXING	GEL N BY/TITLE			REW M/U		EXTRA C	REWS /			4AT7			FICE NOTI)	YES	URS PAST			BOP DRILL	_		
Ś									LATRA C	KLW37	VV 1111:						9	96.00	UKO PAGI	24					
တ္ဆ	29	URRENT DEPTH	FOOTAGE LAS	T 24 PEN. F 26.8	RATE	вот. 5.0	. HRS	MAX. GAS	BCKGR	GAS	CONN. G	AS TRIP G	AS	13 3/8		SIZE & SET 	T DEPTH		H			RIG C		REN	NTAL .
OP	HC 95	OOKLOAD 5	PICKUP V 95	/EIGHT	SL/ 95	ACKOFF		ROTATING 95	3	RC	TARY TO	RQUE		NEXT C	CASING	SIZE & SET	T DEPTH	l	ı	DAILY					
		ime Mud Wt 500 9.3	IN / OUT Fun	nel Vis PV		YLD PT 17	10 S GEL 1	0 M GEL F	Fl. Loss	FILT C	(HTHP	FL HTTP I		TODAY	FUE	L ADDED T	го мир им. О.	00	,	AVERA	GE	0.00	0	.00	
MUD		lud Type	% SOLID	S % LCM 9			l	pH	MF F	PF	CALCIUM		ES			MUD COS	TS			CUMUL	.ATIVE	0.00	0	0.00	
Σ		entrifuges	[8		-	R TYPE		10	<u> </u>		REENS	2000		CHANG	ED	W	JM. 39 /ATER S		o c	CUMUL	ATIVE	12.0		2.0	
	F	FROM TO	HRS CODE		VATIC	DNAL			DETAILS		10	IN SEQUENC	E	2625	.00	F	IYD		<u> </u>	DAYS TI		AKDOWN		oday /	Well)
	70	00 715	0.25 21	safety						<u></u>										1	I: RIG UP	/ DOWN		0).5
			1.0 4 2.25 6	CORIN TRIP C			E WITH	CORE B	ARRELL	_										-	2: DRILLIN 3: REAMII		5.0 9.25	1	21.5 11.5
		030 1215	1.75 4	LAYDO) NWC	CORE	BARREI	LAND S			R BACK	(1: CORING		2.75		5.0 6.0
			2.75 6 0.25 21	SAFET			<u>RTRIP IN</u> B	HOLE													S: TRIPS		5.25	2	26.5
	1	515 1530	0.25 6	TRIP IN			AT 074-	TO 277												8	B: REPAIR			8	3.25
		115 2215	5.75 3 1.0 22				AT 2747 POP OFF		<u> </u>											_1	9: C/O DR 10: DEVIA	TION			6.25
Ŋ		215 2300 300 2315	0.75 3 0.25 21	REAMI SAFTE																		LINE LOG CSG & CMN	т	3	2.0 3.75
FLO	2	315 0200	2.75 3	REAM	FROI	M 2772	2 TO 2809	9														ON CEMEN	ĺ		3.5 17.5
TIME	02	200 0700	5.0 2	DRILL	FRO	M 280	9 - 2900														15: TEST				5.75
	F																			1	17: PLUGI	BACK			
	H																			_1	19: FISHIN				
	F																				20: DIR. W	VORK	0.75		3.0
	L																						1.0	8	3.25
	H																								
	E																			0	THER				6.75
	H	BIT# SIZE	TYPE	N	//AKE		SERIAL #	<u>.</u>	NOZZ	'I FS		IN @	l oı	UT @	DRI	ILLED	HRS	1 (CUM. HRS		otal Ho	CONDITIO	24.0		261.0 R O P
ပ္	2	12 1/4	0506FHX	HTC	IAIL		7017590	6X15		LLU		377	2749)	2372.0	00	62	62.0	0			OONDITIO			KOI
BITS	2			HTC			7017590 7008609	6X15	3X14			377	2749)	2372.0	00	62	62.0	10						
	3	12 1/4	HC5092	HTC			000009	OXIO	U/X 1 -1			2749													
	3									ımp 3	l F			Тту	YPE I	STROKE	Manı	0.00		s I To	otal HRS	MAX PSI	SPR Kill Bate	KILL	_(SPM)
	3	Depth	GPM	PRESSUR		Pum _j Liner	o 1 SPM Li	Pump 2 ner SP	Pu	ımp 3		ump 4		1 Q-Z	9 9	STROKE 9IN	N/A	0.00 ufactur		0.0	00	MAX PSI	SPR Kill Rate	KILL	_(SPM)
PUMPS	28	Depth 802 - 2808 747 - 2772	GPM	PRESSUR	6	Pum _l Liner	SPM Li	Pump 2 ner SP	Pu			ump 4	Pump	1 Q-Z9 2 Q-Z9	9 9		_			0.0 0.0 0.0)0)0)0	MAX PSI	SPR Kill Rate	KILL	_(SPM)
PUMPS	28 27 28	Depth 802 - 2808 747 - 2772 809 - 2900		PRESSUR	6 6	Pum _l Liner	SPM Li 6 6 6	Pump 2	Pu	SP		ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9	9 9	9IN	N/A		er HRS	0.0 0.0 0.0	00 00 00 00	MAX PSI		KILL	(SPM)
PUMPS	28 27 28	Depth 802 - 2808 747 - 2772 809 - 2900	GPM 574	PRESSUR	6 6	Pump Liner	SPM Li 6 6 6	Pump 2 ner SP	Pu M Liner	SP	M Line	Pump 4 er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9 9	9IN 9IN	N/A		er HRS	0.0 0.0 0.0	00 00 00 00			KILL	_ (SPM)
STRG PUMPS	28 27 28	Depth 802 - 2808 747 - 2772 809 - 2900	GPM 574	PRESSUR	6 6	Pump Liner	SPM Li 6 6 6	Pump 2 ner SP	Pu M Liner	SP	M Line	Pump 4 er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9 9	9IN 9IN	N/A		er HRS	0.0 0.0 0.0	00 00 00 00			KILL	_ (SPM)
PUMPS	28 27 28	Depth 802 - 2808 747 - 2772 809 - 2900	GPM 574	PRESSUR	6 6	Pump Liner	SPM Li 6 6 6	Pump 2 ner SP	Pu M Liner	SP	M Line	Pump 4 er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9 9	9IN 9IN	N/A		er HRS	0.0 0.0 0.0	00 00 00 00 STRING	REMARKS			
DRLLSTRG PUMPS	28 27 28	Depth 802 - 2808 747 - 2772 809 - 2900	GPM 574	PRESSUR	6 6	Pump Liner	SPM Li 6 6 6	Pump 2 ner SP	Pu M Liner	SP	M Line	Pump 4 er SPM	Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A		er HRS	0.0 0.0 0.0 0.0 DRILL	DI	REMARKS	ON SUF	RVEY	'S
DRLLSTRG PUMPS	28 27 28	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION TO. No.	GPM 574	PRESSUR	6 6	Pump Liner	SPM Li 6 6 6	Pump 2 ner SP	Pu M Liner	SP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	00 00 00 00 STRING	REMARKS		RVEY	
STRG PUMPS	28 27 28 27 28	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION So. No.	GPM 574	PRESSUR	6 6	Pump Liner	SPM Li 6 6 6	Pump 2 ner SP	Pu M Liner	SP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	DI	REMARKS	ON SUF	RVEY	'S
DRLLSTRG PUMPS	28 27 28 27 28 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE	GPM 574 VEIGHT GRA	PRESSUR	6 6	Pump Liner	SPM Li 6 6 6	Pump 2 ner SP	Pu M Liner	SP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	DI	REMARKS	ON SUF	RVEY	r'S
ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 41 41 41 41 41 41 41	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE V OCATION TO. No. IRS TODAY IRS ON WELL IRS LAST CHGE	GPM 574 VEIGHT GRA	PRESSUR 1774 DE I.D.	6666	Pump Liner	SPM Li 6 6 6	Pump 2 ner SP 90 EAD	Pu M Liner	SP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	DI	REMARKS	ON SUF	RVEY	r'S
ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 41 41 41 41 41 41 41	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA On Hand Jsed Today	FOR STATE OF	PRESSUR 1774 DE I.D. 0 00	6666	Pump Liner S TJ O.D.	9 1 6 6 90 6 THR	Pump 2 ner SP 90 EAD	# JNTS	SP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	DI	REMARKS	ON SUF	RVEY	r'S
DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE EVERAGE KVA DELIVERED TODA On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand	GPM 574 VEIGHT GRA Y 779.00	PRESSUR 1774 DE I.D. 0 00	BOILER 9	Pump Liner S TJ O.D.	9 1 6 6 6 90 6 THR HOURS	Pump 2 ner SP 90 EAD	# JNTS	SP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	DI	REMARKS	ON SUF	RVEY	r'S
RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 41 41 41 41 41 41 41 41 41 41 41 41 41	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA' On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR	FOR STATE OF	PRESSUR 1774 DE I.D. 000 00	BOILER 9	Pump Liner S TJ O.D.	P 1 G G G G G G G G G	Pump 2 ner SP 90 EAD	# JNTS	SP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	DI	REMARKS	ON SUF	RVEY	r'S
RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 41 41 41 41 41 41 41 41 41 41 41 41 41	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE EVERAGE KVA DELIVERED TODA On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand	FOR STATE OF	PRESSUR 1774 DE I.D. 0 00	BOILER 9	Pump Liner S TJ O.D.	9 1 6 6 6 90 6 THR HOURS	Pump 2 ner SP 90 EAD S FU	# JNTS	SP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	DI	REMARKS	ON SUF	RVEY	r'S
RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 41 41 41 41 41 41 41 41 41 41 41 41 41	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA' On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR	FRS LAST	PRESSUR 1774 DE I.D. 000 100	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 90 6 THR HOURS	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL	SP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	DI	REMARKS	ON SUF	RVEY	r'S
RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 41 41 41 41 41 41 41 41 41 41 41 41 41	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA' On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR	FRS LAST	PRESSUR 1774 DE I.D. 000 100 TOTAL HRS	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 90 6 THR HOURS	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL	SP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	DI	REMARKS	ON SUF	RVEY	r'S
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA' On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR	GPM	PRESSUR 1774 DE I.D. 000 100 TOTAL HRS	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 6 6 6 6 6 6	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL OOTAGE	SP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	DI	REMARKS	ON SUF	RVEY	r'S
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA' On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR	GPM	PRESSUR 1774 DE I.D. 000 100 TOTAL HRS	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 6 6 6 6 6 6	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL OOTAGE	SP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	O.D.	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	DI	EVIATION THE PROPERTY OF THE P	ON SUF	RVEY	r'S
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR	GPM	PRESSUR 1774 DE I.D. 000 100 TOTAL HRS	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 6 6 6 6 6 6	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH DI	Pump 4 Per SPM IN HOLE	Pump Pump O O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN EPAIRS	O.D.	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	DI	EVIATION THE PROPERTY OF THE P	ON SUF	RVEY	r'S
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR	GPM	PRESSUR 1774 DE I.D. 000 100 TOTAL HRS	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 6 6 6 6 6 6	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH DI A DI	Pump 4 Per SPM IN HOLE DRILL P	Pump Pump Pump Pump I O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN EPAIRS	O.D.	ufactur	er HRS	0.0 0.0 0.0 0.0 DRILL	DI	EVIATION THE PROPERTY OF THE P	ON SUF	RVEY	r'S
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR	GPM	PRESSUR 1774 DE I.D. 000 100 TOTAL HRS	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 6 6 6 6 6 6	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH DI LY DOWN LL f COLLAR:	Pump 4 Per SPM IN HOLE	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN EPAIRS	O.D.	ufactur	LENGTI	0.0 0.0 0.0 0.0 DRILL	DI	EVIATION THE PROPERTY OF THE P	ON SUF	RVEY	r'S
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR	GPM	PRESSUR 1774 DE I.D. 000 100 TOTAL HRS	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 6 6 6 6 6 6	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH DI LY DOWN LL f COLLAR:	Pump 4 Per SPM IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN EPAIRS	O.D.	I.D.	LENGTI	H	DI DEPT	EVIATION THE INTERIOR OF THE I	ON SUF	RVEY	/S AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR SERIAL #	GPM	PRESSUR 1774 DE I.D. 000 100 TOTAL HRS	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 6 6 6 6 6 6	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH DI LY DOWN LL f COLLAR:	Pump 4 Per SPM IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	STANE SINGL	O.D.	I.D.	LENGTI	H	DI DEPT	EVIATIC H I	ON SUF	RVEY	/S AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR SERIAL #	GPM	PRESSUR 1774 DE I.D. 000 100 TOTAL HRS	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 6 6 6 6 6 6	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH DI LY DOWN LL f COLLAR:	Pump 4 Per SPM IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	STANE SINGL	O.D. FROI 2802 2747	I.D.	LENGTI TO 808	0.0 0.0 0.0 DRILL	DI DEPT	EVIATION THE CONTROL OF THE CONTROL	ON SUF	RVEY	/S AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR SERIAL #	GPM	PRESSUR 1774 DE I.D. 000 100 TOTAL HRS	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 6 6 6 6 6 6	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH DI LY DOWN LL f COLLAR:	Pump 4 Per SPM IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	STANE SINGL	O.D. O.D. FROI 2802 2747 2772	1.D. 133.0 2 2 2	TO 808 772 809	0.0 0.0 0.0 DRILL	DI DEPT	EVIATION TO THE PROPERTY OF TH	D 4	RVEY A	/S AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR SERIAL #	GPM	PRESSUR 1774 DE I.D. 000 100 TOTAL HRS	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 6 6 6 6 6 6	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH DI LY DOWN LL f COLLAR:	Pump 4 Per SPM IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	STANE SINGL	O.D. FROI 2802 2747	1.D. 133.0 2 2 2	LENGTI TO 808	0.0 0.0 0.0 DRILL	DI DEPT	EVIATION TO THE PROPERTY OF TH	D D	RVEY A	/S AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR SERIAL #	GPM	PRESSUR 1774 DE I.D. 000 100 TOTAL HRS	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 6 6 6 6 6 6	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH DI LY DOWN LL f COLLAR:	Pump 4 Per SPM IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	STANE SINGL	O.D. O.D. FROI 2802 2747 2772	1.D. 133.0 2 2 2	TO 808 772 809	0.0 0.0 0.0 DRILL	DI DEPT	EVIATION TO THE PROPERTY OF TH	D 4	RVEY A	/S AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Depth 802 - 2808 747 - 2772 809 - 2900 SIZE OCATION OO. No. IRS TODAY IRS ON WELL IRS LAST CHGE VERAGE KVA DELIVERED TODA On Hand Jsed Today Jsed Today Jsed This Well Fuel Brand DISTRIBUTOR SERIAL #	GPM	PRESSUR 1774 DE I.D. 000 100 TOTAL HRS	BOILER 9	Pump Liner S TJ O.D.	P 1 SPM Li 6 6 6 6 6 6 6 6 6	Pump 2 ner SP 90 EAD S FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH DI LY DOWN LL f COLLAR:	Pump 4 Per SPM IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	STANE SINGL	O.D. O.D. FROI 2802 2747 2772	1.D. 133.0 2 2 2	TO 808 772 809	0.0 0.0 0.0 DRILL	DI DEPT	EVIATION TO THE PROPERTY OF TH	D 4	RVEY A	/S AZM

NONE SAFETY MEETING TOPICS STRAIGHT HOLE/MAKEING CONN LAST INSPECTION INSPECTION BY/TITLE CREW M/U EXTRA CREWS / WHY? CURRENT DEPTH FOOTAGE LAST 24 PEN. RATE 23.0 12.0 SLACKOFF 95 Time Mud Wt IN / OUT Funnel Vis PV YLD PT 10 S GEL 10 M GEL FI. Loss FILT CK HTHP FL HTTP FC FUEL ADDED TO MUD TODAY CUM. 0.00		DAYS FR SI		ELL TYPE	
ADM (ARCHER DANIEL MIDLAND) RIG PHONE NUMBER W WOOD OPERATIONS @ REPORT TIME SURVEY OPERATIONS @ REPORT TIME SURVEY OPERATIONS O	EM . COORDINA		PUD P	ROJECTED	TD
W WOOD OPERATIONS @ REPORT TIME SURVEY OPERATIONS NEXT 24 HRS DRILLING/ MIX MUD & CHE ACCIDENTS OR NEAR MISSES: NONE ACCIDENTS OR NEAR MISSES: ACCIDENTS OR NEAR MISSES: NONE ACCIDENTS OR NEAR MISSES: ACCIDENTS OR NEAR MISSES: NONE ACCIDENTS OR NEAR MISSES: ACCIDENTS OR NEAR MIS	EM . COORDINA	DAYS ON J	ОВ Е	ST. RELEAS	SE
SURVEY ACCIDENTS OR NEAR MISSES: NONE SAFETY MEETING TOPICS STRAIGHT HOLE/MAKEING CONN LAST INSPECTION INSPECTION BY/TITLE CREW M/U CURRENT DEPTH FOOTAGE LAST 24 PEN. RATE 23.0 12.0 CURRENT DEPTH FOOTAGE LAST 24 PEN. RATE 23.0 12.0 Time Mud Wt IN/OUT Funnel Vis PV YLD PT 10 S GEL 10 M GEL FI. Loss FILT CK HTHP FL HTTP FC FUEL ADDED TO MUD TODAY CUM. 0.00	. COORDINA	WEATHER CLOUDY	//49DEG		
NONE SAFETY MEETING TOPICS STRAIGHT HOLE/MAKEING CONN LAST INSPECTION INSPECTION INSPECTION BY / TITLE CREW M / U EXTRA CREWS / WHY? CURRENT DEPTH 3176 276 HOOKLOAD 95 CURRENT DEPTH 95 CREW M / U EXTRA CREWS / WHY? CREW M / U EXTRA CREWS / WHY? CREW M / U EXTRA CREWS / WHY? OFFICE NOTIFIED MANHO 120.0 NEXT CASING SIZE & SET DEPTH 13 3/8 NEXT CASING SIZE & SET DEPTH 95 ROTARY TORQUE NEXT CASING SIZE & SET DEPTH 10 S GEL 10 M GEL FI. Loss FILT CK HTHP FL HTTP FC FUEL ADDED TO MUD CUM. 0.00					
STRAIGHT HOLE/MAKEING CONN LAST INSPECTION INSPECTION BY / TITLE CREW M / U EXTRA CREWS / WHY? CURRENT DEPTH FOOTAGE LAST 24 PEN. RATE 23.0 12.0 MAX. GAS BCKGR GAS CONN. GAS TRIP GAS LAST CASING SIZE & SET DEPTH 13 3/8 HOOKLOAD 95 95 95 PS			BOP TEST DA 9/27/10/11		
CURRENT DEPTH FOOTAGE LAST 24 PEN. RATE 23.0 PICKUP WEIGHT 95 PS	/N-O-MATIC C	CHECKED	BOP DRILL I	DATE / TIME	
3176 276 23.0 12.0	OURS PAST 2)0	24	BOP DRILL [DATE / TIME	
95 95 95 95 95 FILT CK HTHP FL HTTP FC TODAY CUM. 0.00	\top		RIG CC		ENTAL
0530 9.3 49 TODAY CUM. 0.00	D/	AILY	- CGIN		
1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	A۱	VERAGE	0.00	0.00	
Mud Type % SOLIDS % LCM % SAND % OIL % H2O pH MF PF CALCIUM CHLORIDES MUD COSTS DAILY 4443.00 CUM. 43688.	. 50 Cl	UMULATIVE	0.00	0.00	
CENTRIFUGES SHAKER TYPE SCREENS CHANGED WATER SOURCE NATIONAL 210 2625.00 HYD	00	JMULATIVE AYS	13.0	13.0	
FROM TO HRS CODE DETAILS OF OPERATIONS IN SEQUENCE 700 715 0.25 21 safety meeting			EAKDOWN IP / DOWN	(Today	/ Well) 0.5
715 745 0.5 2 DRILL ACTUAL FROM 2900 TO 2927		2: DRILL	ING	12.0	133.5 11.5
745 1015 2.5 8 REPAIR RIG(CHANGE HEAD IN #1 M.P/ CHECK BOTH M.P FOR AIR LEAKS/FIX CLAMP 1015 1345 3.5 2 DRILL ACTUAL FROM 2927 TO2999		3: REAN 4: CORII	NG	0.25	15.0 16.25
1345 1500 1.25 8 PUT CLUTCH IN#1 M.P& #2 M.P 1500 1515 0.25 21 SAFETY MEETING		6: TRIPS		3.75	30.25
1515 1815 3.0 8 FINISHED PUTTING CLUTCH IN #1 AND #2 PUMPS 1815 2115 3.0 2 DRILL FROM 2999 TO 3064		8: REPA		6.75	15.0
2115 2300 1.75 2 DRILL FROM 3064 TO 3100		10: DEV		0.5	6.75 2.0
2300 2315 0.25 21 SAFETY MEETING 2315 2330 0.25 2 DRILL 3100-3113		12: RUN	CSG & CMNT		3.75 8.5
2330 0130 2.0 6 TRIP OUT FOR BROKEN SCREEN 0130 0315 1.75 6 TRIP IN HOLE		14: NIPF	T ON CEMENT PLE UP BOP		17.5 5.75
0315 0330 0.25 5 BREAK CIRCULATION			L STEM TEST		J.1 J
0330 0630 3.0 2 DRILL FROM 3113- 0630 0700 0.5 10 DEVIATION SURVEY @3175		17: PLU	EEZE CMNT		
		20: DIR.		0.75	3.75
				0.75	8.25
		OTHER			6.75
BIT# SIZE TYPE MAKE SERIAL# NOZZLES IN @ OUT @ DRILLED HRS	CUM. HRS	Total H	lours CONDITION	24.0	285.0 R O P
3 12 1/4 HC5092 HTC 7008609 6X13 3X14 2749 0.0 3 12 1/4 HC5092 HTC 7008609 6X13 3X14 2749 0.0 3 12 1/4 HC5092 HTC 7008609 6X13 3X14 2749 0.0					
3 12 1/4 HC5092 HTC 7008609 6X13 3X14 2749 0.0	00				
Parth CRM PRESSURE Pump 1 Pump 2 Pump 3 Pump 4 TYPE STROKE Manufactu		-	S MAX PSI	SPR Kill Rate KI	LL (SPM)
Depth GPM PRESSURE Liner SPM Liner SPM Liner SPM Liner SPM Pump 1 Q-Z9 9IN N/A		0.00			
2999 - 3100 6 6 Pump 3 3100 - 3176 6 6 Pump 4		0.00			
SIZE WEIGHT GRADE I.D. TJ O.D. THREAD #JNTS LENGTH IN HOLE ON RACK REPAIRS	D	ORILL STRING	G REMARKS		
DRLLS					
LOCATION NO. DRILLING ASSEMBLY (BHA) O.D. I.D.	LENGTH	DEP	DEVIATION TH IN		YS AZM
Co. No.	41.00 30.59	DEP	IN		r4VI
4 CHANGE OVER	2.30				
AVERAGE KVA DELIVERED TODAY HOURS FUEL USED					
Used Today	+				
Used Today Used This Well -1722.00 BOILER #					
Used Today Used This Well Fuel Brand DISTRIBUTOR Used Today Used Today Used This Well -1722.00 BOILER # BLOWDOWN VOLUMES					
Used Today Used This Well Fuel Brand DISTRIBUTOR Used Today Used This Well -1722.00 BOILER # BLOWDOWN VOLUMES	+				
Used Today Used This Well Fuel Brand DISTRIBUTOR Used Today Used This Well -1722.00 BOILER # BLOWDOWN VOLUMES					
Used Today Used This Well See I Total Used Today Used This Well Fuel Brand DISTRIBUTOR Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR Used Today Used To		_	•		
Used Today Used This Well Fuel Brand DISTRIBUTOR Used This Well Fuel Brand DISTRIBUTOR SERIAL # HRS LAST TOTAL 24 HRS WELL HRS FOOTAGE LAST 24 FOOTAGE DESCRIPTION DAY RT STDBY HRLY					
Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL # HRS LAST TOTAL 24 HRS WELL HRS LAST 24 FOOTAGE DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DAY RT STDBY HRLY STANDS 3068			DIRECT	IONS TO	
Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL # HRS LAST TOTAL 24 HRS WELL HRS LAST 24 FOOTAGE DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DAY RT STDBY HRLY 333 DRULL DIDE. STANDS 3068	3		DIRECT	IONS TO	
Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR	3 6.07		DIRECT	IONS TO	
Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL # HRS LAST TOTAL CUM. WELL HRS LAST 24 FOOTAGE DESCRIPTION DESCRIPTION DAY RT STOBY HRLY SINGLES 31.6: KELLY DOWN WIT OF COLLARS / DRILL STRING HOURS SINCE LAST INSPECTION 145.4	3 5.07 0	DEPTH	DRILLED		
Used Today	3 6.07	CODE			/.O.B.
Used Today	3 5.07 0 TO 2999 3100	D D	DRILLED RPM 90 97	26 27	/.O.B.
Used Today	3 6.07 0 To 2999	D D	DRILLED RPM 90		/.O.B.
Used Today	3 5.07 0 TO 2999 3100	D D	DRILLED RPM 90 97	26 27	/.O.B.
Used Today	3 5.07 0 TO 2999 3100	D D	DRILLED RPM 90 97	26 27	7.O.B.

Р	ION	NEER	OILE	FIEL	D SEF	RVICES	3. L	LC				MO	RNI	ING F	REPOR	T	DATE 2010 1	007	RIG N	O. JO	B TYPE	JC	OB NO.		W	ELL TYPE	
WE	LLNA						-, _				LEGAL	DESCRIP			CLI OI		2010	SPUE	DATE / TII 23-10 1			D/ 14	AYS FR SI	PUD	PR	ROJECTED	TD
ОР	ERAT					AND)					coun ⁻	TY / PARISI ON	Н				STATE	JOB S	TART DAT	E			AYS ON J	ОВ	ES	ST. RELEA	SE
RIG	IAM 6	NAGER OOD				F		ONE NU			OPER	ATORS REF	_	ITATIVE	СО	. MAN PI			ASE DATE			w	EATHER LOUDY	//49D	EG		
ОР	ERAT	TIONS @ R PING	EPORT	TIME					-				•		ļ			TIONS NEX		&CHE	M						
	AC	CIDENTS	OR NE	AR MIS	SES:									# OF JS/	A's RIG	SAFETY		SAFETY RA	TE	G.P.S.	COORD 8796 W					TE / PRES	
FETY	SAI	FETY MEE			CONN									# STOP C	ARDS LAS	T MEETI	NG DATE				N-O-MATI					ATE / TIMI	
SA		ST INSPEC				BY / TITLE		(CREW I	M / U		EXTRA	CREWS	/ WHY?				OFFICE N			OURS PAS	ST 24		ВОР	DRILL D	ATE / TIMI	E
S	CUR 362	RRENT DEI	PTH	FOOT/	AGE LAST	24 PEN. F		RO1	Г. HRS	M	AX. GAS	ВСКС	R GAS	CONN. G	AS TRIP G		LAST CAS 13 3/8	SING SIZE &	SET DEPT	Н				1	G CO		
OPS		OKLOAD		Р	CKUP WE			ACKOFF			ROTATIN	G L	R	OTARY TOP	RQUE			SING SIZE &	SET DEPT	н		DAIL	Y		S & R	R	RENTAL
	Time	ne Mu		N / OU	T Funne	el Vis PV			10 S C			Fl. Loss	FILT C	K HTHP	FL HTTP I			FUEL ADD				AVEF		0.00)	0.00	
MUD		d Type	3			% LCM %	6 SAN	D % OII	 L %		pH	MF	PF	CALCIUN		S	TODAY	MUD (00		ULATIVE	0.00		0.00	
Σ	CEN	NTRIFUGES	S	[8	<u> </u>			L ER TYPE ONAL	<u> </u>	[10	<u> </u>		80 CREENS 210	2000	-	DAILY 39 CHANGED 2625.0)	WATER HYD		<u> </u>	CUMU	JLATIVE	14.0		14.0	
		ROM T	_	HRS	CODE							DETAILS	_		IN SEQUENC		2025.0	J	пів				TIME BRI				y / Well)
	700 715			.25 .25	21 10	SAFET DEVIA				2 3175	DEV:	3/4 DG N	154W										1: RIG U		WN	15.5	0.5 149.0
	730 130	0 130	00 5	.5	2	DRILL	ACT	UAL F	ROM	3176	TO342												3: REAM	IING			11.5 15.0
	150	00 151	15 0	.25	21	safety	mee	ting			,J+11												5: COND	. & CIF	RC		16.25 30.25
	151 184		45 3 30 1		2	DRILL DRILL																	7: LUBR 8: REPA	ICATE I		1.0	16.0
	203 211			.75 .25	8	change			1 pum	пр												- ∏-	9: C/O D 10: DEV	RILL LI	NE	0.25	7.0
נח	223	30 230	0 0	.5	23	wop	diap	ham o		clutch												-	11: WIRI 12: RUN	ELINE L	_og		2.0 3.75
100	230 23°	15 003	30 1	.25 .25	21	SAFTE DRILL			<u>ن</u>														13: WAI	CON C	EMENT		8.5 17.5
TIME	003 004		45 0 00 0	.25 .25	8 2	WORK DRILL			#2														15: TEST	ГВОР			5.75
	010			.0						-	-					-	-		_	-	-	-	17: PLU	GBACK			
																							19: FISH	IING			
																							20: DIR.	WORK		0.75	4.5 8.25
																										0.5	0.5
																							OTHER Total H			0.0 18.0	6.75 303.0
	В	BIT#	SIZE		TYPE	N	IAKE		SEF 700860	RIAL#	23/42		ZLES		IN @	OU.	Т@	DRILLED	HRS		CUM. HR	RS		CON	IDITION		ROP
10	3	12	2 1/4		5092	HTC			100001	U9	6X13	3X14			2749					0.0	0						
BITS	3		2 1/4 2 1/4	HC:	5092 5092	HTC			700860			3X14 3X14			2749 2749					0.0	0						
BITS	—			HC:					700860	09	6X13	3X14	lumn 2		2749			- Lerne	VE Mai	0.0 0.0 0.0	0	pe I	Total UD9	s Imax	v pei l	SPR I	TILL (SDM)
	3	Depth	2 1/4	HC:	GPM	HTC PRESSUR		Pum Liner	700860 np 1 SPM	09 F	6X13 Pump 2 er SF	3X14	Pump 3	FM Line	2749 Pump 4	Pump	TYP 1 Q-Z9	9IN	N/A	0.0 0.0 0.0 nufactu	0	0	0.00	S MA)	(PSI K	SPR ill Rate	(ILL (SPM)
PUMPS BITS	3 317 357	Depth 76 - 3477 76 - 3623	2 1/4	HC:	GРМ 4	PRESSUR 2125		Pum Liner 6	700860 np 1 SPM 98	09 F Line 6 6	6X13 Pump 2 er SF 98	3X14			2749 Pump 4	Pump Pump Pump Pump Pump Pump Pump Pump	TYP 1 Q-Z9 2 Q-Z9 3			0.0 0.0 0.0 nufactu	0	0).00).00).00	S MAX	K PSI K	SPR ill Rate	(ILL (SPM)
PUMPS	3 317 357 362	Depth 76 - 3477 76 - 3623	2 1/4	HC:	GРМ 4	PRESSUR 2125 2300		Pum Liner 6	700860 np 1 SPM 98	09 Fine	6X13 Pump 2 Pr SF 98	3X14	er SI		2749 Pump 4	Pump Pump Pump Pump	TYP 1 Q-Z9 2 Q-Z9 3	9IN	N/A N/A	0.0 0.0 0.0 nufactu	0	0 0).00).00			SPR ill Rate K	(ILL (SPM)
STRG PUMPS	3 317 357 362	Depth 76 - 3477 76 - 3623 23 -	2 1/4	HC: HC: 61	GPM 4 :	PRESSUR 2125 2300		Pum Liner 6 6	700860 np 1 SPM 98	6 6 6	6X13 Pump 2 Pr SF 98	3X14 FM Line	er SI	PM Line	2749 Pump 4 er SPM	Pump Pump Pump Pump	TYP 1 Q-Z9 2 Q-Z9 3	9IN 9IN	N/A N/A	0.0 0.0 0.0 nufactu	0	0 0	0.00 0.00 0.00 0.00			SPR ill Rate	(ILL (SPM)
STRG PUMPS	3 317 357 362	Depth 76 - 3477 76 - 3623 23 -	2 1/4	HC: HC: 61	GPM 4 :	PRESSUR 2125 2300		Pum Liner 6 6	700860 np 1 SPM 98	6 6 6	6X13 Pump 2 Pr SF 98	3X14 FM Line	er SI	PM Line	2749 Pump 4 er SPM	Pump Pump Pump Pump	TYP 1 Q-Z9 2 Q-Z9 3	9IN 9IN	N/A N/A	0.0 0.0 0.0 nufactu	0	0 0	0.00 0.00 0.00 0.00			SPR K	(ILL (SPM)
PUMPS	317 357 362	Depth 76 - 3477 76 - 3623 23 -	2 1/4	HC: HC: 61	GPM 4 :	PRESSUR 2125 2300		Pum Liner 6 6	700860 np 1 SPM 98	6 6 6	6X13 Pump 2 Pr SF 98	3X14 FM Line	er SI	PM Line	2749 Pump 4 er SPM IN HOLE	Pump Pump Pump ON	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 0.0 nufactu	0 0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REMA	ARKS	SPR KILL RATE	
DRLLSTRG PUMPS	3177 3577 3622 LOC Co.	Depth 76 - 3477 76 - 3623 23 - SIZE CATION . No.	2 1/4	HC: HC: 61	GPM 4 :	PRESSUR 2125 2300		Pum Liner 6 6	700860 np 1 SPM 98	6 6 6	6X13 Pump 2 Pr SF 98	3X14 FM Line	er SI	LENGTH BIT	2749 Pump 4 er SPM IN HOLE	Pump Pump Pump ON	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 0.0 nufactu	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ARKS	SURV	EYS AZM
DRLLSTRG PUMPS	3 317 357 362 LOC Co. HRS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION . No. S TODAY S ON WELI	WE	HC: HC: 61	GPM 4 :	PRESSUR 2125 2300		Pum Liner 6 6	700860 np 1 SPM 98	6 6 6	6X13 Pump 2 Pr SF 98	3X14 FM Line	er SI	LENGTH DI BIT KELL' MONE	2749 Pump 4 er SPM IN HOLE	Pump Pump Pump ON	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 0.0 nufactu	LENG 1.00 41.00 30.59	0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	G REMA	ARKS	SURV	EYS
STRG PUMPS	3177 3577 3622 LOC Co. HRS HRS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION . No. S TODAY	WE GE	HC: HC: 61	GPM 4 :	PRESSUR 2125 2300		Pum Liner 6 6	700860 np 1 SPM 98	6 6 6	6X13 Pump 2 Pr SF 98	3X14 FM Line	er SI	LENGTH LENGTH BIT KELL' MONE BIT SU	2749 Pump 4 er SPM IN HOLE	Pump Pump Pump ON	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 0.0 nufactu	LENG 1.00 41.00	0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ARKS	SURV	EYS AZM
ENGINES DRLLSTRG PUMPS	3177 3577 3622 LOC Co. HRS HRS AVE	Depth 76 - 3477 76 - 3623 23 - SIZE CATION . No. S TODAY S ON WELL S LAST CH	WE GE	HC: HC: 61	GPM 4 2 6 GRAD	PRESSUR 2125 2300		Pum Liner 6 6	700860 1p 1 SPM 98 100	6 6 6	6X13 Pump 2 98 100 AD	3X14 FM Line	er SI	LENGTH LENGTH BIT KELL' MONE BIT SU	2749 Pump 4 Pump 4 Pump 4 IN HOLE RILLING AS	Pump Pump Pump ON	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 0.0 nufactu	LENG 1.00 41.00 30.59	0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ARKS	SURV	EYS AZM
ENGINES DRLLSTRG PUMPS	3317357362 LOCCO. HRS HRS AVE	Depth 76 - 3477 76 - 3623 23 - SIZE CATION . No. S TODAY S ON WELL S LAST CH ERAGE KV	WE GE	HC: HC: 61	GPM 4 2 3 492.00 1230.00	PRESSUR 2125 2300 E I.D.		Pum Liner 6 6 7 TJ O.D.	700860 ap 1 SPM 98 100	F Line 6 6 6 THREA	6X13 Pump 2 98 100 AD	3X14 PM Line #JNTS	er SI	LENGTH LENGTH BIT KELL' MONE BIT SU	2749 Pump 4 Pump 4 Pump 4 IN HOLE RILLING AS	Pump Pump Pump ON	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 0.0 nufactu	LENG 1.00 41.00 30.59	0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ARKS	SURV	EYS AZM
DRLLSTRG PUMPS	3317 357 362 LOC Co. HRS HRS AVE On Use Fue	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV ELIVERED T Hand ed Today ed This Well el Brand	WE GE GE GODAY	HC: HC: 61	GPM 4 2 6 2 492.00	PRESSUR 2125 2300 E I.D.	BOILER	Pum Liner 6 6 7 TJ O.D. TODAY WELL BOILER	700860 100 100 100 100 100 100 100 1	F Line 6 6 6 THREA	6X13 Pump 2 98 100 AD	3X14 PM Line #JNTS	er SI	LENGTH LENGTH BIT KELL' MONE BIT SU	2749 Pump 4 Pump 4 Pump 4 IN HOLE RILLING AS	Pump Pump Pump ON	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 0.0 nufactu	LENG 1.00 41.00 30.59	0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ARKS	SURV	EYS AZM
RIG FUEL ENGINES DRLLSTRG PUMPS	3317357362 LOC Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV ELIVERED T Hand ed Today ed This We el Brand STRIBUTOR	WE GE GE GODAY	HCS HCS 61 62 EIGHT	GPM 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 2125 2300 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME CUM.	700860 100 100 100 100 100 100 100 1	O9 F Line 6 6 6 THRE	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS JEL USED	er SI	LENGTH LENGTH BIT KELL' MONE BIT SU	2749 Pump 4 Pump 4 Pump 4 IN HOLE RILLING AS	Pump Pump Pump ON	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 0.0 nufactu	LENG 1.00 41.00 30.59	0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ARKS	SURV	EYS AZM
RIG FUEL ENGINES DRLLSTRG PUMPS	3317357362 LOC Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV ELIVERED T Hand ed Today ed This Well el Brand	WE GE GE GODAY	HC! HC!	GPM 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 2125 2300 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME	700860 100 100 100 100 100 100 100 1	F Line 6 6 6 THRE	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS	er SI	LENGTH LENGTH BIT KELL' MONE BIT SU	2749 Pump 4 Pump 4 Pump 4 IN HOLE RILLING AS	Pump Pump Pump ON	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 0.0 nufactu	LENG 1.00 41.00 30.59	0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ARKS	SURV	EYS AZM
ENGINES DRLLSTRG PUMPS	3317357362 LOC Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV ELIVERED T Hand ed Today ed This We el Brand STRIBUTOR	WE GE GE GODAY	HCS HCS 61 62 EIGHT	GPM 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 2125 2300 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME CUM.	700860 100 100 100 100 100 100 100 1	OOTAG	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS JEL USED TOTAL COOTAGE	er SI	LENGTH LENGTH BIT KELL' MONE BIT SU	2749 Pump 4 Pump 4 Pump 4 IN HOLE RILLING AS	Pump Pump Pump ON	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 0.0 nufactu	LENG 1.00 41.00 30.59	0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ARKS	SURV	EYS AZM
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	3317357362 LOC Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV ELIVERED T Hand ed Today ed This We el Brand STRIBUTOR	WE GE GE GODAY	HCS HCS 61 62 EIGHT	GPM 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 2125 2300 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME CUM.	700860 100 100 100 100 100 100 100 1	OOTAG	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS JEL USED	er SI	LENGTH LENGTH BIT KELL' MONE BIT SU	2749 Pump 4 Pump 4 Pump 4 IN HOLE RILLING AS	Pump Pump Pump ON	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 0.0 nufactu	LENG 1.00 41.00 30.59	0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REMA	ARKS	SURV	EYS AZM
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	3317357362 LOC Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV ELIVERED T Hand ed Today ed This We el Brand STRIBUTOR	WE GE GE GODAY	HCS HCS 61 62 EIGHT	GPM 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 2125 2300 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME CUM.	700860 100 100 100 100 100 100 100 1	OOTAG	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS JEL USED TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH LENGTH BIT KELL' MONE BIT SU	2749 Pump 4 Pump 4 Pump 4 IN HOLE RILLING AS	Pump Pump Pump ON	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	O.D.	I.D.	LENG 1.00 41.00 30.59 2.30 .65	0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA TH	ARKS	SURVI	EYS AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	3317357362 LOC Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV ELIVERED T Hand ed Today ed This We el Brand STRIBUTOR	WE GE GE GODAY	HCS HCS 61 62 EIGHT	GPM 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 2125 2300 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME CUM.	700860 100 100 100 100 100 100 100 1	OOTAG	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS JEL USED TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH LENGTH BIT KELL' MONE BIT SI CHAN	2749 Pump 4 Pump 4 Pump 4 IN HOLE RILLING AS	Pump Pump ON	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 0.0 nufactu	LENG 1.00 41.00 30.59 2.30 .65	0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA TH	ATION INC	SURVI	EYS AZM
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	3317357362 LOC Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV ELIVERED T Hand ed Today ed This We el Brand STRIBUTOR	WE GE GE GODAY	HCS HCS 61 62 EIGHT	GPM 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 2125 2300 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME CUM.	700860 100 100 100 100 100 100 100 1	OOTAG	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS JEL USED TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH LENGTH BIT KELL' MONE BIT SI CHAN	Pump 4 Per SPM IN HOLE SILLING AS Y EL JB GE OVER DRILL P	Pump : Pu	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 0.0 1.D.	LENG 1.00 41.00 30.59 2.30 .65	0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA TH	ATION INC	SURVI	EYS AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	3317357362 LOC Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV ELIVERED T Hand ed Today ed This We el Brand STRIBUTOR	WE GE GE GODAY	HCS HCS 61 62 EIGHT	GPM 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRESSUR 2125 2300 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME CUM.	700860 100 100 100 100 100 100 100 1	OOTAG	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS JEL USED TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH LENGTH BIT KELL' MONE BIT SI CHAN	Pump 4 Per SPM IN HOLE SPILLING AS Y EL JB GE OVER	Pump : Pu	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A	I.D. 2350 30.24	LENG 1.00 41.00 30.59 2.30 .65	0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA TH	ATION INC	SURVI	EYS AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	3 317 357 362 Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV ELIVERED T Hand ed Today ed This We el Brand STRIBUTOR	WE WE	HCS HCS 61 62 EIGHT	GPM 4 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRESSUR 2125 2300 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME CUM.	700860 100 100 100 100 100 100 100 1	OOTAG	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS JEL USED TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH LENGTH BIT KELL' MONE BIT SI CHAN	Pump 4 Per SPM IN HOLE STATEMENT OF THE	Pump : Pu	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A N/A O.D.	0.0 0.0 0.0 0.0 1.D.	LENG 1.00 41.00 30.59 2.30 .65	DD	0.00 0.00 0.00 0.00 L STRING	DEVIA	ATION INC .75	SURVI	EYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	3 317 357 362 Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV LIVERED T Hand ed Today ed This We el Brand STRIBUTOR SERIAL #	WE WE	HCS HCS 61 62 EIGHT	GPM 4 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRESSUR 2125 2300 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME CUM.	700860 100 100 100 100 100 100 100 1	OOTAG	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS JEL USED TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH LENGTH BIT KELL' MONE BIT SI CHAN	Pump 4 Per SPM IN HOLE STATEMENT OF THE	Pump : Pu	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A	0.0 0.0 0.0 0.0 1.D. 1.D.	LENG 1.00 41.00 30.59 2.30 .65	DD	DEPTH CODE D	DEVIA TH DRIL R 95	ATION INC .75	SURVI	EYS AZM I54W
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	3 317 357 362 Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV LIVERED T Hand ed Today ed This We el Brand STRIBUTOR SERIAL #	WE WE	HCS HCS 61 62 EIGHT	GPM 4 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRESSUR 2125 2300 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME CUM.	700860 100 100 100 100 100 100 100 1	OOTAG	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS JEL USED TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH LENGTH BIT KELL' MONE BIT SI CHAN	Pump 4 Per SPM IN HOLE STATEMENT OF THE	Pump : Pu	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	O.D. ANDS HGLES	0.0 0.0 0.0 0.0 1.D. 1.D.	LENG 1.00 41.00 30.59 2.30 .65	DD	DEPTH CODE DO	DEVIA TH	ATION INC .75	SURVI	EYS AZM I54W
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	3 317 357 362 Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV LIVERED T Hand ed Today ed This We el Brand STRIBUTOR SERIAL #	WE WE	HCS HCS 61 62 EIGHT	GPM 4 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRESSUR 2125 2300 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME CUM.	700860 100 100 100 100 100 100 100 1	OOTAG	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS JEL USED TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH LENGTH BIT KELL' MONE BIT SI CHAN	Pump 4 Per SPM IN HOLE STATEMENT OF THE	Pump : Pu	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.0 0.0 0.0 0.0 1.D. 1.D.	LENG 1.00 41.00 30.59 2.30 .65 .21 4 .99 .00 3477 3576	D D C	DEPTH CODE DO	DEVIA TH DRIL R 95 93	ATION INC .75	SURVI	EYS AZM I54W
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	3 317 357 362 Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV LIVERED T Hand ed Today ed This We el Brand STRIBUTOR SERIAL #	WE WE	HCS HCS 61 62 EIGHT	GPM 4 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRESSUR 2125 2300 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME CUM.	700860 100 100 100 100 100 100 100 1	OOTAG	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS JEL USED TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH LENGTH BIT KELL' MONE BIT SI CHAN	Pump 4 Per SPM IN HOLE STATEMENT OF THE	Pump : Pu	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	O.D. ANDS NGLES FRO 3176 3477 3576	0.0 0.0 0.0 0.0 1.D. 1.D.	LENG 1.00 41.00 30.59 2.30 .65 .21 4 .99 .00 3477 3576	D D C	DEPTH CODE DO	DEVIA TH DRIL R 95 93	ATION INC .75	SURVI	EYS AZM I54W
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	3 317 357 362 Co. HRS HRS AVE DEI On Use Fue DIS	Depth 76 - 3477 76 - 3623 23 - SIZE CATION No. S TODAY S ON WELL S LAST CH ERAGE KV LIVERED T Hand ed Today ed This We el Brand STRIBUTOR SERIAL #	WE WE	HCS HCS 61 62 EIGHT	GPM 4 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRESSUR 2125 2300 E I.D. TOTAL HRS	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME CUM.	700860 100 100 100 100 100 100 100 1	OOTAG	6X13 Pump 2 Pr SF 98 100 AD	3X14 PM Line # JNTS JEL USED TOTAL COOTAGE	NO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LENGTH LENGTH BIT KELL' MONE BIT SI CHAN	Pump 4 Per SPM IN HOLE STATEMENT OF THE	Pump : Pu	TYP 1 Q-Z9 2 Q-Z9 3 4	9IN 9IN REPAIRS	O.D. ANDS NGLES FRO 3176 3477 3576	0.0 0.0 0.0 0.0 1.D. 1.D.	LENG 1.00 41.00 30.59 2.30 .65 .21 4 .99 .00 3477 3576	D D C	DEPTH CODE DO	DEVIA TH DRIL R 95 93	ATION INC .75	SURVI	EYS AZM I54W

WE AI OPI	LLNAM DM V ERATO	IE erifi R	catio	n We	# [*]	D SEF			, LI	LC			COL	SAL DE	SCRIPTION		NG F	REPO	RT	DATE 201	0100	8 SPUD D. 09-23 JOB STA 09-15	-10 1	ME 2:30 E		DA 15	YS ON JO		PROJ	L TYPE JECTED RELEAS	
RIG W	MANA WO	GER OD						RI		ONE N	имве 053	R	OPE	ERATO	RS REPR		ATIVE	CC	D. MAN	PH NO.		RELEAS				WE	EATHER LOUDY/	/46DE(<u> </u>		
	RILLI	NG		RT TIM				•					•							DRI	ILLIN	NS NEXT 2 G/ MIX	MUD 8	&CH	ЕМ						
≥	NON	ΙE		NEAR N		ES:											# OF JS	16		TY DAYS		ETY RATE		N 39	s. coord).8796 W WN-O-MATIO	V -88.	8933	BOP TES 9/27/10 BOP DRI	/1100/	/250 P	PSIG
SAFE	MAK	KINC		IA/N/	ND	MIXIN					CRE	W M/U		E	XTRA CI	REWS /	# STOP (24AT			FFICE NOT		YES				BOP DRI			
0)			DEPTH			GE LAST			ΔTF	l R	OT. HR		MAX. G		BCKGR		CONN. G	AS TRIP (SAS.	LAST		SIZE & SE		104.					COS		
OPS	3894 HOOK			27	1	CKUP WE	1	11.65	6		3.25		ROTAT		BOROR		TARY TO			13 3/8	8	SIZE & SE						S &		_	ENTAL
	109 Time			/t IN / (10		el Vis	PV	10	9		S GEL 1	109		Loss I		HTHP		FC			L ADDED				DAILY	,			<u> </u>	
	0500 Mud T		48		%	9.5 SOLIDS	% LC	20		18	1		рН	8 M				M CHLORID	ES	TODAY			сим. О			AVER		0.00		0.00	
MUD	wate CENT		GES		10)				ER TYF			9.5				80 REENS	2400		DAILY	SED	,	WATER		CE	CUMU	ILATIVE	0.00 15.0		15.0	
	FRO	М	ТО	HRS	3	CODE		N.	ATI	ONA	L			D	ETAILS	_	10 RATIONS	IN SEQUENC	E	2625	5.00		HYD			DAYS	TIME BRE		v		/ Well)
	700 715		715 1500	0.25 7.75		<u>21</u> 2		ety n			FRO	M 364	4 TO3	3740													1: RIG UF 2: DRILLI				0.5 172.25
	1500 1515		1515 1945	0.25 4.5	;	21 2	1	FETY				O 3798	R														3: REAMI				11.5 15.0
	1945	5 2	2300	3.25	;	2	DR	ILL A	CT	UAL		0 37 30	,													11-	5: COND. 6: TRIPS				16.25 30.25
	2300 2315			0.25 7.75		21 2	1	FETY																			7: LUBRIO				16.0
																											9: C/O DF				7.0
Ö					\dashv																						11: WIRE				2.0 3.75
TIME LOG																											13: WAIT 14: NIPPI	LE UP BO	Ī		8.5 17.5
MI L																											15: TEST 16: DRILL	L STEM T	EST		5.75
																											17: PLUG 18: SQUE	EEZE CM	NT		
																											19: FISHI 20: DIR. V			.75	5.25
																										1			0.		8.25
																										_					0.5
																										_	OTHER				6.75
	BIT	[#	SIZ			TYPE			AKE			SERIAL #			NOZZ	LES		IN @		OUT @	DR	RILLED	HRS		CUM. HR		Total He	OURS CONDIT	•	4.0	327.0 R O P
BITS	4 4		12.25 12.25			HX HX	HTO					7590 7590		(15 (15				3644 3644													
Ш	4		12.25	5 50	06F	HX	НТО	C			701	7590	6 X	(15				3644						0.	.00						
PS		De	pth		ď	GPM	PRE	SSURE	<u> </u>	Pu Liner	ımp 1	PM Li	Pump ner	2 SPM	Pu Liner	mp 3		Pump 4 er SPM	Pum	т` р 1 Q-Z	YPE 29	STROKE 9IN	Mar N/A	nufac	turer H		Total HRS .00	MAX P	SI Kill F	R Rate KI	ILL (SPM)
PUMPS	3644 3740				603	3 2	2150			6 6	96	6	9	96					Pum Pum	p 2 Q-Z p 3	.9	9IN	N/A	\			.00				
	3841 S	- 38 IZE		WEIGH	597 т	GRADI	2115 E	I.D.		6 TJ 0.	95 D.	6 THR	EAD	95	# JNTS		ENGTH	IN HOLE	Pum	p 4 ON RACK	K R	EPAIRS					.00 L string	REMAR	KS		
STRG.																															
DRLL																															
	LOCA	TION														NO.	D	RILLING A	SSEN	IBLY (E	ЗНА)		O.D.	I.D	. LENG	TH	D	EVIAT	ION S	URVE	EYS
NES	Co. N		Y													1	BIT KELL	Y							1.00 41.00		DEP1	ГН	INCL		AZM
ENGINES	HRS (ELL													1	MONE BIT S	EL							30.59 2.30					#	
	AVER				_			ı								1	CHAN	IGE OVER							.65						
EL	On H	and	D TODA	A f		1148.00				TODAY	1	HOURS	3	FUEL	USED															#	
RIG FUEL	Used Used	This	Well			<u>-656.00</u> -1148.0			히	WELL BOILE																				\perp	
8	Fuel DISTE								B	BLOW VOLUI	DOWN MES																			+	
MTR	SE	RIAL	_#	HRS	LAS 24	ST	TOTA HRS			CUM. ELL HF		FOOTA LAST			TAL TAGE															+	
MUD MTR																														+	
					DE	SCRIPTION	ON					DAY RT	STDE	ву	HRLY															+	
ITEMS																															
																42		DRILL F	PIPE			STAN SING		391	8.72			DIR	ECTION	5 10	
RENTAL																KELL	Y DOWN					J.: 10		399	4.26						
																WT of	COLLAR	S / DRILLSTR LAST INSPEC						183							
	lice	D 12	53 C ^	L OF	File	FI					ı		•	1									FRO		то		EPTH CODE	DRILL RPM		W	V.O.B.
KS	USE	13 ت	JJ GA	L UF	ı UE																		3644		3740	D	8	35		22	
MAR																							3740 3798		3798 3841	+		35 35		21	
TRE																							3841		3894	工		30		25	
EPO																															
REPORT REMARKS																															

WE Al	LLNAME DM Ve	E erificatio	n Well	#1	RVICES	, L	LC			COUNT	DESCRIPTI	ION	NG F	REPOR	RT	STAT	01009	SPUD D. 09-23	-10 12	ле 2:30	В ТҮРЕ	DA 16	YS ON JO		PR	OJECTED	TD
RIG	MANAG WOC		DANIE	L MIDL	RI		HONE N	IUMBER			TORS REP		TATIVE	co). MAN I	PH NO.		09-15					EATHER LOUDY	//CDE	 =C		
ОР		NS @ REPO	ORT TIME		0	10-	943-00	0 55		PIN	IUGHES	K				OPE	RATION	IS NEXT 2 G/ MIX	4 HRS	2.CHE	M	CL	ולטטטו	/40DE	<u>.</u> G		
	ACCID	ENTS OR	NEAR MIS	SSES:									# OF JS			TY DAYS		ETY RATE		G.P.S.	coordii 8796 W			BOP T	EST DAT	TE / PRES	SURE
ETY	NON!	C TY MEETING	G TOPICS										3 # STOP (ST MEET	TING DAT	ΓE			CROWN	N-O-MATIC					0/250 F ATE / TIME	
SAFETY	LAST II	NSPECTIO	N IN	SPECTION	BY / TITLE			CREW	M/U		EXTRA C	REWS	WHY?	9/2	24AT7	00	OF	FICE NOT	ΓIFIED		OURS PAS	ST 24		BOP D	RILL DA	ATE / TIME	Ē
	CURRE	NT DEPTH	FOOT	AGE LAST	24 PEN. R	ATE	RO	OT. HRS	l M	IAX. GAS	BCKGR	GAS	CONN. G	SAS TRIP O	AS	LAST C	CASING	SIZE & SE		104.0	0			RIG	COS	STS	
OPS	4057 HOOKL		163	ICKUP WE	20.37	5	8.0	0		ROTATING			OTARY TO			13 3/8	8	SIZE & SE						1	& R		RENTAL
	109		1	09		10	9			109	-					IVEX.						DAILY	Y				
	Time 600	9.5	Vt IN / OL	45						M GEL I			K HTHP			TODAY			сим. О			AVER	RAGE	0.00		0.00)
MUD	Mud Ty water			% SOLIDS 1 0	% LCM %	SAN	D % C	OIL %		рН 9.5	MF	PF	CALCIU	M CHLORID	ES	DAILY		MUD CO:	STS CUM. 5	7111.	50	CUMU	JLATIVE	0.00		0.00)
	CENTR	RIFUGES					ER TYP						CREENS 210			2625			WATER S HYD	SOURCE		CUMU DAYS	ILATIVE	16.0		16.0)
	FROM		HRS	CODE	oofoty n	200	tina				DETAILS	OF OPI	ERATIONS	IN SEQUENC	Ε						•	\blacksquare	TIME BRE			(Today	y / Well)
	700 715	715 1130	0.25 4.25	21	safety n			from3	994 to	4057													1: RIG UI 2: DRILL			8.0	0.5 180.25
	1130	1200	0.5	5	CONDIT																		3: REAM			1.25	12.75 15.0
	1200 1500	1500 1515	3.0 0.25	6 21	TO O H				EANB	511													5: COND.	. & CIR		0.5 13.5	16.75 43.75
	1515			6	TRIPS (I II	6: TRIPS 7: LUBRI	ICATE R		10.0	
	1845 2300	2315	0.25	21	SAFET	ΥM	EETIN	NG															8: REPAI 9: C/O DI		NE		16.0
	2315 0015			6	TRIP O				вотт	OM HC	LE COL	LAR											10: DEVI 11: WIRE		OG		7.0 2.0
90	0200	0315	1.25	3	BREAK	CIF	RCUL	ATION	N AND	REAM	11 STAN	1D										_	12: RUN 13: WAIT	CSG &	CMNT		3.75 8.5
TIME L	0315	0700	3.75	2	DRILL F	FRC	OM 40	<u> 57 - </u>															14: NIPP	LE UP I	ſ		17.5 5.75
Ĕ																							15: TEST 16: DRILI	L STEM	TEST		J.1 J
																							17: PLUG 18: SQUI		MNT		
																							19: FISH				
																										0.75	6.0 8.25
																											0.5
																							OTHER Total H	ours		24.0	6.75 351.0
	BIT#			TYPE		AKE			RIAL#	0 1/ 4/	NOZZ	ZLES		IN @	_	UT @		ILLED	HRS		CUM. HR				DITION	2-110	ROP
CO	4	12.2		FHX	HTC			70175 51754		6 X 19				3644	4057	<u> </u>	413.0	U	24	24.0	00						
Ę	5	12 1/	4 VG	-C44CD	НІС				-00	3710				4057													
BITS	5	12 1/	4 VG	-C44CDX	НС					3,710				4057						0.0							
		12 1/	4 VG	GPM	PRESSURE	■		mp 1		Pump 2	Pt	ımp 3		Pump 4			YPE	STROKE	_	0.0 ufactu	0			6 MAX	PSI Ki	SPR II Rate K	CILL (SPM)
	3994 -	Depth - 4057	4 VG				Pu Liner	mp 1		Pump 2	Pt			Pump 4		TY o 1 Q-Z o 2 Q-Z	9	STROKE 9IN 9IN	Man N/A N/A	0.00 nufactu	0	0	.00	S MAX	PSI Ki	SPR II Rate K	CILL (SPM)
PUMPS BIT		Depth - 4057	4 VG	GPM			Liner	mp 1	Lin	Pump 2	Pt			Pump 4	Pump	0 1 Q-Z 0 2 Q-Z 0 3	9	9IN	N/A	0.00 nufactu	0	0	.00	S MAX	PSI Ki	SPR II Rate K	CILL (SPM)
PUMPS	3994 -	Depth - 4057	WEIGHT	GPM	PRESSURE		Liner 6 6	mp 1 SPM	Lin 6 6	Pump 2 er SP	Pt	r SP		Pump 4	Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3	.9 .9	9IN	N/A	0.00 nufactu	0	0	.00 .00 .00			SPR II Rate	CILL (SPM)
STRG PUMPS	3994 - 4057 -	Depth - 4057		GPM	PRESSURE		Liner 6 6 6	mp 1 SPM	Lin 6 6 6	Pump 2 er SP	M Line	r SP	PM Lin	Pump 4 er SPM	Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	.9 .9	9IN 9IN	N/A	0.00 nufactu	0	0	.00 .00 .00			SPR II Rate	CILL (SPM)
STRG PUMPS	3994 - 4057 -	Depth - 4057		GPM	PRESSURE		Liner 6 6 6	mp 1 SPM	Lin 6 6 6	Pump 2 er SP	M Line	r SP	PM Lin	Pump 4 er SPM	Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	.9 .9	9IN 9IN	N/A	0.00 nufactu	0	0	.00 .00 .00			SPR II Rate	CILL (SPM)
PUMPS	3994 - 4057 -	Depth - 4057 - ZE		GPM	PRESSURE		Liner 6 6 6	mp 1 SPM	Lin 6 6 6	Pump 2 er SP	M Line	r SP	LENGTH	Pump 4 er SPM IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .00 L STRING	3 REMA	RKS		
DRLLSTRG PUMPS	3994 - 4057 - SIZ LOCAT Co. No.	Depth - 4057 - ZE		GPM	PRESSURE		Liner 6 6 6	mp 1 SPM	Lin 6 6 6	Pump 2 er SP	M Line	r SP	LENGTH	Pump 4 er SPM	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN	N/A	0.00 nufactu	0	0 0 0 DRIL	.00 .00 .00 .00 .00 L STRING	B REMA	RKS	SURVI	
DRLLSTRG PUMPS	3994 - 4057 - SIZ LOCAT Co. No.	Depth - 4057 - ZE		GPM	PRESSURE		Liner 6 6 6	mp 1 SPM	Lin 6 6 6	Pump 2 er SP	M Line	r SP	LENGTH	Pump 4 er SPM IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	B REMA	RKS	SURVI	EYS
STRG PUMPS	3994 - 4057 - SIZ LOCAT Co. No. HRS TO HRS OI	Depth - 4057 - ZE TION - DDAY N WELL AST CHGE		GPM	PRESSURE		Liner 6 6 6	mp 1 SPM	Lin 6 6 6	Pump 2 er SP	M Line	r SP	LENGTH	Pump 4 er SPM IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	B REMA	RKS	SURVI	EYS
DRLLSTRG PUMPS	3994 - 4057 - SIZ LOCAT Co. No. HRS TO HRS OI HRS LA	Depth - 4057 - ZE - TION - DDAY N WELL	WEIGHT	GPM	PRESSURE		Liner 6 6 6	87 D.	Lin 6 6 6	Pump 2 er SP 87 AD	M Line	r SP	LENGTH	Pump 4 er SPM IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	B REMA	RKS	SURVI	EYS
ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai	Depth - 4057 - ZE	WEIGHT	GPM GRAD	PRESSURE 1907 E I.D.		Liner 6 6 6 TJ O.L	87 D.	Lin 6 6 6 THRE	Pump 2 er SP 87 AD	# JNTS	r SP	LENGTH	Pump 4 er SPM IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	B REMA	RKS	SURVI	EYS
ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T	Depth - 4057 - ZE TION - DDAY N WELL AST CHGE AGE KVA ERED TOD nd Today This Well	WEIGHT	GPM	PRESSURE 1907 E I.D. 0	OILER	Liner 6 6 6 TJ O.L	87 D.	Lin 6 6 6 THRE	Pump 2 er SP 87 AD	# JNTS	r SP	LENGTH	Pump 4 er SPM IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	B REMA	RKS	SURVI	EYS
DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B	Depth - 4057 - ZE TION - DDAY N WELL AST CHGE AGE KVA ERED TOD nd Today This Well	WEIGHT	GPM GRAD 1763.00 -615.00	PRESSURE 1907 E I.D. 0	BOILER	Liner 6 6 6 TJ O.L	87 D. R #	Lin 6 6 6 THRE	Pump 2 er SP 87 AD	# JNTS	r SP	LENGTH	Pump 4 er SPM IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	B REMA	RKS	SURVI	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth - 4057 - UNION - DDAY N WELL AST CHGE AGE KVA ERED TODA Today This Well Frand	WEIGHT	GPM GRAD 1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL	BOILER	TODAY WELL BOILEF BLOWE VOLUM	BY B	Lin 6 6 6 THRE	Pump 2 er SP 87 AD	# JNTS	r SP	LENGTH	Pump 4 er SPM IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	B REMA	RKS	SURVI	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth - 4057 - ZE - TION - DDAY N WELL AST CHGE AGE KVA ERED TOD nd Foday This Well Grand IBUTOR	WEIGHT	GPM GRAD 1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D.	BOILER	TODAY WELL BOILEF BLOWE VOLUM	BY B	Lin 6 6 6 THRE	Pump 2 er SP 87 AD	# JNTS	r SP	LENGTH	Pump 4 er SPM IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	B REMA	RKS	SURVI	EYS
ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth - 4057 - ZE - TION - DDAY N WELL AST CHGE AGE KVA ERED TOD nd Foday This Well Grand IBUTOR	WEIGHT AY HRS L 24	GPM GRAD 1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILEF BLOWE VOLUM	BY B	HOURS	Pump 2 er SP 87 AD Fu	# JNTS # JNTS TOTAL OOTAGE	r SP	LENGTH	Pump 4 er SPM IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	B REMA	RKS	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth - 4057 - ZE - TION - DDAY N WELL AST CHGE AGE KVA ERED TOD nd Foday This Well Grand IBUTOR	WEIGHT AY HRS L 24	GPM GRAD 1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILEF BLOWE VOLUM	BY B	Lin 6 6 6 THRE	Pump 2 er SP 87 AD	# JNTS	r SP	LENGTH	Pump 4 er SPM IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	B REMA	RKS	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth - 4057 - ZE - TION - DDAY N WELL AST CHGE AGE KVA ERED TOD nd Foday This Well Grand IBUTOR	WEIGHT AY HRS L 24	GPM GRAD 1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILEF BLOWE VOLUM	BY B	HOURS	Pump 2 er SP 87 AD Fu	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH	Pump 4 er SPM IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	DEVIA	RKS	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth - 4057 - ZE - TION - DDAY N WELL AST CHGE AGE KVA ERED TOD nd Foday This Well Grand IBUTOR	WEIGHT AY HRS L 24	GPM GRAD 1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILEF BLOWE VOLUM	BY B	HOURS	Pump 2 er SP 87 AD Fu	# JNTS # JNTS TOTAL OOTAGE	r SP	LENGTH	Pump 4 er SPM IN HOLE	Pump Pump Pump SSEMI	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN EPAIRS	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	DEVIA	TION	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth - 4057 - ZE - TION - DDAY N WELL AST CHGE AGE KVA ERED TOD nd Foday This Well Grand IBUTOR	WEIGHT AY HRS L 24	GPM GRAD 1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILEF BLOWE VOLUM	BY B	HOURS	Pump 2 er SP 87 AD Fu	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH D LY DOWN	Pump 4 er SPM IN HOLE	Pump Pump Pump SSEMI	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN EPAIRS	N/A N/A	0.00	O rer HR	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	DEVIA	TION	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI	Depth - 4057 - ZE - TION - DDAY N WELL AST CHGE AGE KVA ERED TOD nd Foday This Well Grand IBUTOR	WEIGHT AY HRS L 24	GPM GRAD 1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILEF BLOWE VOLUM	BY B	HOURS	Pump 2 er SP 87 AD Fu	# JNTS # JNTS TOTAL OOTAGE	NO. A3 KELL TOTA WT o	LENGTH D LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLE DRILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN EPAIRS	N/A N/A	I.D.	LENGT	0 0 0 DRIL	.00 .00 .00 .00 .L STRING	DEVIA	TION	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	Jagga - 4057 - SIZ LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI SEF	Depth - 4057 - ZE - TION - DDAY N WELL AST CHGE AGE KVA ERED TOD nd Foday This Well Grand IBUTOR	WEIGHT AY L L L L L L L L L L L L L	1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILEF BLOWE VOLUM	BY B	HOURS	Pump 2 er SP 87 AD Fu	# JNTS # JNTS TOTAL OOTAGE	NO. A3 KELL TOTA WT o	LENGTH D LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLE DRILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN EPAIRS	N/A N/A	0.00	LENGT	TH	.00 .00 .00 .00 .L STRING	DEVIA	TION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	Jagga - 4057 - SIZ LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI SEF	Depth - 4057 - TON - DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well Grand IBUTOR RIAL #	WEIGHT AY L L L L L L L L L L L L L	1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL HRS	BOILER	Liner 6 6 6 TJ O.L TODAY WELL BOILEF BLOWE VOLUM CUM. ELL HR	BY B	HOURS	Pump 2 er SP 87 AD Fu	# JNTS # JNTS TOTAL OOTAGE	NO. A3 KELL TOTA WT o	LENGTH D LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLE DRILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN EPAIRS	O.D. IDS LES	I.D.	LENGT	TH D	DEPT	DEVIA	TION	SURVI	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	Jagga - 4057 - SIZ LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI SEF	Depth - 4057 - TON - DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well Grand IBUTOR RIAL #	WEIGHT AY L L L L L L L L L L L L L	1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL HRS	BOILER	Liner 6 6 6 TJ O.L TODAY WELL BOILEF BLOWE VOLUM CUM. ELL HR	BY B	HOURS	Pump 2 er SP 87 AD Fu	# JNTS # JNTS TOTAL OOTAGE	NO. A3 KELL TOTA WT o	LENGTH D LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLE DRILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN EPAIRS	O.D.	I.D.	LENGT	TH	DEPTHCODE	DEVIA	TION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	Jagga - 4057 - SIZ LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI SEF	Depth - 4057 - TON - DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well Grand IBUTOR RIAL #	WEIGHT AY L L L L L L L L L L L L L	1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL HRS	BOILER	Liner 6 6 6 TJ O.L TODAY WELL BOILEF BLOWE VOLUM CUM. ELL HR	BY B	HOURS	Pump 2 er SP 87 AD Fu	# JNTS # JNTS TOTAL OOTAGE	NO. A3 KELL TOTA WT o	LENGTH D LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLE DRILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN EPAIRS	O.D. IDS LES FRO 3994	I.D.	LENGT	TH D	DEPTHCODE	DEVIA TH D	TION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	Jagga - 4057 - SIZ LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI SEF	Depth - 4057 - TON - DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well Grand IBUTOR RIAL #	WEIGHT AY L L L L L L L L L L L L L	1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL HRS	BOILER	Liner 6 6 6 TJ O.L TODAY WELL BOILEF BLOWE VOLUM CUM. ELL HR	BY B	HOURS	Pump 2 er SP 87 AD Fu	# JNTS # JNTS TOTAL OOTAGE	NO. A3 KELL TOTA WT o	LENGTH D LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLE DRILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN EPAIRS	O.D. IDS LES FRO 3994	I.D.	LENGT	TH D	DEPTHCODE	DEVIA TH D	TION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	Jagga - 4057 - SIZ LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI SEF	Depth - 4057 - TON - DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well Grand IBUTOR RIAL #	WEIGHT AY L L L L L L L L L L L L L	1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL HRS	BOILER	Liner 6 6 6 TJ O.L TODAY WELL BOILEF BLOWE VOLUM CUM. ELL HR	BY B	HOURS	Pump 2 er SP 87 AD Fu	# JNTS # JNTS TOTAL OOTAGE	NO. A3 KELL TOTA WT o	LENGTH D LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLE DRILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN EPAIRS	O.D. IDS LES FRO 3994	I.D.	LENGT	TH D	DEPTHCODE	DEVIA TH D	TION	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	Jagga - 4057 - SIZ LOCAT Co. No. HRS TO HRS LA AVERA DELIVE On Hai Used T Fuel B DISTRI SEF	Depth - 4057 - TON - DDAY N WELL AST CHGE AGE KVA ERED TOD Ind Foday This Well Grand IBUTOR RIAL #	WEIGHT AY L L L L L L L L L L L L L	1763.00 -615.00 -1763.0	PRESSURE 1907 E I.D. 0 TOTAL HRS	BOILER	Liner 6 6 6 TJ O.L TODAY WELL BOILEF BLOWE VOLUM CUM. ELL HR	BY B	HOURS	Pump 2 er SP 87 AD Fu	# JNTS # JNTS TOTAL OOTAGE	NO. A3 KELL TOTA WT o	LENGTH D LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLE DRILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	(S)	9IN 9IN EPAIRS	O.D. IDS LES FRO 3994	I.D.	LENGT	TH D	DEPTHCODE	DEVIA TH D	TION	SURVI	EYS

Р	lC	ONEER O	ILFIE	LD SE	RVICES	S. LI	LC				MO	RN	ING F	REPOR	? T	DATE 2010		1	RIG NO	J. JOB	3 TYPE	JO	B NO.		WI	ELL TYPE	
WE	ELL	LNAME M Verificati				-,				LEGAL	DESCRIP			<u>\L. \O.</u>	<u> </u>	2010	71010	SPUD D	13 ATE / TIN -10			DA 17	YS FR SI	PUD	PR	ROJECTED) TD
ОР	PER	RATOR M (ARCHEI			AND)					соим	TY / PARIS	Н				STATE	≣	JOB ST	ART DATI			+	YS ON J	ОВ	ES	ST. RELEA	ASE
RIG	G N	MANAGER WOOD			F		ONE NUI			OPER/	ATORS REI	-	ITATIVE	Co	D. MAN F				SE DATE			WE	EATHER LOUDY	//46D	EG		
ОР	PER	RATIONS @ REF REING #3 (Ξ		,,,,,	10 000											IS NEXT :	24 HRS PPING			10-		7.02			
	1	ACCIDENTS OF		ISSES:									# OF JS	A's Rid		Y DAYS		TY RATE		G.P.S.	coordii 796 W					TE / PRES	
FETY	F	SAFETY MEETII											# STOP (CARDS LA		TING DATE	E				-O-MATIC					ATE / TIM	
SAF		LAST INSPECTI			BY/TITLE			CREW N	M / U		EXTRA	CREWS	/ WHY?	312		00	OF	FICE NO	TIFIED		URS PAS	T 24		ВОР	DRILL D	ATE / TIM	E
	_	CURRENT DEPT			Γ 24 PEN. F			. HRS	MA	AX. GAS	ВСКО	R GAS	CONN. G	AS TRIP (GAS			SIZE & S	ET DEPTI					RIC	G CO	STS	
OPS	Н	1218 HOOKLOAD		PICKUP W	17.40 EIGHT	SL	9.2			OTATING	<u> </u> 3	F	COTARY TO	RQUE		13 3/8 NEXT CA		SIZE & S	ET DEPT	Н				;	S&R	F	RENTAL
			Wt IN / C		el Vis PV	10	9 YLD PT	10 S G		09 M GEL I	FI. Loss	FILT (CK HTHP	FL HTTP	FC		FUE	L ADDE	TO MUD)		DAILY		0.00		0.00	•
Q		230 9.4 Mud Type		50 % SOLIDS	6 % LCM %	6 SANI) % OII	 L % F	120	pH	MF	PF	CALCIU	M CHLORIE		TODAY (MUD CO	CUM. 0	.00		AVER		0.00		0.00	
MUD		water CENTRIFUGES		10			ER TYPE		[9	9.5			80 CREENS	2400		DAILY 4	ΞD		CUM. 6		U		JLATIVE LATIVE	0.00		0.00	
_		FROM TO	HRS	CODE		ITA	ONAL				DETAIL		210 PERATIONS	IN SEQUENC	:E	2625.0	00		HYD			DAYS		17.0		17.0	y / Well)
	7	700 715	0.25	21	safety							<u> </u>	LKATIONO	THE OLICOLING	, L								1: RIG U	IP / DO	WN		0.5
		715 1215 1215 1245		8	DRILL WORK				4105	10 41	ტე												2: DRILL 3: REAM	IING		9.25	189.5 12.75
		1245 1500 1500 1515		2 21	DRILL SAFET				4165	TO419	90											<u>_</u>	4: CORII			3.0	15.0 19.75
	1	1515 1715	2.0	2	DRILL	FRO	M 419	0 TO 4															6: TRIPS		RIG	4.5	48.25
		1715 1815 1815 1915	5 1.0 5 1.0	5 6	CONDI SHOR			& CIF	KCUL/	ATE F	OR COI	₹E PC	TNIC										8: REPA 9: C/O D	IR RIG		0.5	16.5
	1	1915 2115	2.0 5 0.5	5	CONDI	TION	MUD		RCUL	ATE												[_	10: DEV	IATION		0.5	7.5 2.0
9O.	2	2145 2300	1.25	6	TRIPS																	-	12: RUN 13: WAI	CSG 8	CMNT		3.75 8.5
<u> </u>	2		0.25 2.25	21 6	SAFET TRIP C				FOR	CORE	<u>#</u> 3												13: WAI 14: NIPF	PLE UP	ľ		17.5 5.75
TIME		0130	0.0	4	PICK L																		16: DRIL	L STE			
	L																						17: PLU	EEZE			
	-																						19: FISH 20: DIR.			0.75	6.75
	F																									0.75	6.75 8.25
	L																					╬					0.5
	ŀ																						OTHER	!			6.75
		DIT# L o	1 T	TVDE				055	NA! "		No			IN 6	Lau		D.D.		Lung				Total H	lours	·	18.5	369.5
S	5	5 12 °	IZE 1/4 V	TYPE G-C44CD		MAKE		517543	39	3X18		ZLES		IN @ 4057	00	UT @	DK	ILLED	HRS	0.00		<u> </u>		CON	IDITION		ROP
BIT	5	5 12	1/4 V	G-C44CD	X HTC			517543	39	3X18				4057						0.00)						
BII	5		1/4 V	G-C44CD		oc L	Pum			3X18		ump 3		4057 Pump 4		TYI	PE	STROK	E Mar			S	Total HRS	S MAX	X PSI K	SPR ill Rate	(ILL (SPM)
BII	5	Depth	1/4 V		PRESSUR	E -	Pum Liner			ump 2	F		PM Lin	Pump 4		TYI 0.1 Q-Z9 0.2 Q-Z9)	STROK 9IN 9IN	E Mar N/A N/A	0.00 0.00 nufactur		0	Total HRS	S MAX	X PSI K	SPR ill Rate	KILL (SPM)
BIT	5	Depth	1/4 V	G-C44CD	PRESSUR	- 6	Pum Liner	p 1 SPM	P	Pump 2 er SP	F			Pump 4	Pump	1 Q-Z9 2 Q-Z9 3)	9IN	N/A	0.00 0.00 nufactur		0 0 0	.00 .00 .00	S MAX	X PSI K	SPR ill Rate	KILL (SPM)
PUMPS BIT	4 4	Depth	WEIGHT	G-C44CD GPM	PRESSUR 2025	6	Pum Liner	p 1 SPM 98	Line	Pump 2 er SP 98	F	er S		Pump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3)	9IN	N/A	0.00 0.00 nufactur		0 0 0	.00			SPR ill Rate	KILL (SPM)
STRG PUMPS BIT	44	Depth 1105 - 4190 1190 - 4218		G-C44CD GPM	PRESSUR 2025	6	Pum Liner	p 1 SPM 98	Line 6	Pump 2 er SP 98	M Line	er S	PM Lin	Pump 4 er SPM	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3)	9IN 9IN	N/A	0.00 0.00 nufactur		0 0 0	.00 .00 .00			SPR ill Rate	KILL (SPM)
STRG PUMPS BIT	44	Depth 1105 - 4190 1190 - 4218		G-C44CD GPM	PRESSUR 2025	6	Pum Liner	p 1 SPM 98	Line 6	Pump 2 er SP 98	M Line	er S	PM Lin	Pump 4 er SPM	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3)	9IN 9IN	N/A	0.00 0.00 nufactur		0 0 0	.00 .00 .00			SPR ill Rate	KILL (SPM)
STRG PUMPS BIT	44	Depth 1105 - 4190 1190 - 4218		G-C44CD GPM	PRESSUR 2025	6	Pum Liner	p 1 SPM 98	Line 6	Pump 2 er SP 98	M Line	er S	PM Lin	Pump 4 er SPM	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN	N/A	0.00 0.00 nufactur		0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	G REM	ARKS	SPR ill Rate	
DRLLSTRG PUMPS BIT	4 4 4	Depth 1105 - 4190 1190 - 4218		G-C44CD GPM	PRESSUR 2025	6	Pum Liner	p 1 SPM 98	Line 6	Pump 2 er SP 98	M Line	er S	PM Lin	Pump 4 er SPM IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	G REMA	ARKS	SURV	
DRLLSTRG PUMPS BIT	4 4 4 1 1 1 1	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL	WEIGHT	G-C44CD GPM	PRESSUR 2025	6	Pum Liner	p 1 SPM 98	Line 6	Pump 2 er SP 98	M Line	er S	PM Lin	Pump 4 er SPM IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	G REMA	ATION	SURV	EYS
DRLLSTRG PUMPS BIT	4 4 4 H H	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHG	WEIGHT	G-C44CD GPM	PRESSUR 2025	6	Pum Liner	p 1 SPM 98	Line 6	Pump 2 er SP 98	M Line	er S	PM Lin	Pump 4 er SPM IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	G REMA	ATION	SURV	EYS
. ENGINES DRLLSTRG PUMPS BIT	4 4 4 4 1 1 1 1	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHG	WEIGHT	G-C44CD GPM GRAI	PRESSUR 2025 DE I.D.		Pum Liner	98	Line 6	Pump 2 98 98	M Line	er S	PM Lin	Pump 4 er SPM IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	G REMA	ATION	SURV	EYS
. ENGINES DRLLSTRG PUMPS BIT	4 4 4 4 1 1 1 1	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGI AVERAGE KVA DELIVERED TO On Hand Used Today	WEIGHT	GPM GPM 2296.0 -533.0	PRESSUR 2025 DE I.D.		Pum Liner 5	98 H	P Line 6 6	Pump 2 98 98	# JNTS	er S	PM Lin	Pump 4 er SPM IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	G REMA	ATION	SURV	EYS
STRG PUMPS BIT	4 4 4 4 1 1 1 1 1 1	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGI AVERAGE KVA DELIVERED TO On Hand Used Today Used This Well Fuel Brand	WEIGHT	G-C44CD GPM GRAI 2296.0	PRESSUR 2025 DE I.D.	BOILER	Pum Liner S TJ O.D. TODAY WELL BOILER:	sp 1 SPM 98 H	P Line 6 6	Pump 2 98 98	# JNTS	er S	PM Lin	Pump 4 er SPM IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	G REMA	ATION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BIT	14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGI AVERAGE KVA DELIVERED TO On Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR	WEIGHT	GPM GPM 2296.0 -533.0	PRESSUR 2025 DE I.D.	BOILER	Pum Liner 5 5 7J O.D.	p 1 SPM 98 H	P Line 6 6	Pump 2 Pr SP 98	# JNTS	er S	PM Lin	Pump 4 er SPM IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	G REMA	ATION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BIT	14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGI AVERAGE KVA DELIVERED TO On Hand Used Today Used This Well Fuel Brand	WEIGHT	G-C44CD GPM GRAI 2296.0 -533.0 -2296.0	PRESSUR 2025 DE I.D. 0 0 0 0 0 0	BOILER	TODAY WELL BOILER : BLOWDO	PP 1 SPM 98 H H WWN SS FO	P Line 6 6	Pump 2 Pr SP 98	# JNTS	er S	PM Lin	Pump 4 er SPM IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	G REMA	ATION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BIT	14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGI AVERAGE KVA DELIVERED TO On Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR	WEIGHT	GPM GPM 2296.0 -533.0 -2296.0	PRESSUR 2025 DE I.D. 0 0 0 0 TOTAL	BOILER	TODAY WELL BOILER; BLOWDO VOLUME CUM.	PP 1 SPM 98 H H WWN SS FO	P Line 6 6 6 COURS	Pump 2 Pr SP 98	# JNTS	er S	PM Lin	Pump 4 er SPM IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	G REMA	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGI AVERAGE KVA DELIVERED TO On Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR	WEIGHT	GPM GPM 2296.0 -533.0 -2296.0	PRESSUR 2025 DE I.D. 0 0 0 0 TOTAL HRS	BOILER	TODAY WELL BOILER; BLOWDO VOLUME CUM.	PP 1 SPM 98 H H WWN SS FO	DOTAGIAST 24	Pump 2 Pr SP 98	# JNTS	NO 1	PM Lin	Pump 4 er SPM IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	G REMA	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGI AVERAGE KVA DELIVERED TO On Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR	WEIGHT	GPM GPM 2296.0 -533.0 -2296.0	PRESSUR 2025 DE I.D. 0 0 0 0 TOTAL HRS	BOILER	TODAY WELL BOILER; BLOWDO VOLUME CUM.	p 1 SPM 98 H # DWN SS FC L	DOTAGIAST 24	Pump 2 Pr SP 98	# JNTS	NO 1	PM Lin	Pump 4 er SPM IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	DEVIA	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGI AVERAGE KVA DELIVERED TO On Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR	WEIGHT	GPM GPM 2296.0 -533.0 -2296.0	PRESSUR 2025 DE I.D. 0 0 0 0 TOTAL HRS	BOILER	TODAY WELL BOILER; BLOWDO VOLUME CUM.	p 1 SPM 98 H # DWN SS FC L	DOTAGIAST 24	Pump 2 Pr SP 98	# JNTS	NO 1	PM Lin	Pump 4 er SPM IN HOLI	Pump Pump Pump SSEME	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN EPAIRS	N/A N/A O.D.	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	DEVIA	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGI AVERAGE KVA DELIVERED TO On Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR	WEIGHT	GPM GPM 2296.0 -533.0 -2296.0	PRESSUR 2025 DE I.D. 0 0 0 0 TOTAL HRS	BOILER	TODAY WELL BOILER; BLOWDO VOLUME CUM.	p 1 SPM 98 H # DWN SS FC L	DOTAGIAST 24	Pump 2 Pr SP 98	# JNTS	NO 1	LENGTH D LINGTH	Pump 4 er SPM IN HOLI	Pump Pump Pump SSEME	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN EPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	DEVIA	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGI AVERAGE KVA DELIVERED TO On Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR	WEIGHT	GPM GPM 2296.0 -533.0 -2296.0	PRESSUR 2025 DE I.D. 0 0 0 0 TOTAL HRS	BOILER	TODAY WELL BOILER; BLOWDO VOLUME CUM.	p 1 SPM 98 H # DWN SS FC L	DOTAGIAST 24	Pump 2 Pr SP 98	# JNTS	NO 1	LENGTH LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLI BRILLING A DRILL F	Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN EPAIRS	N/A N/A O.D.	I.D.	LENGT	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	DEVIA	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGI AVERAGE KVA DELIVERED TO On Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR	WEIGHT HRS 2	GPM GPM 2296.0 -533.0 -2296.1 LAST 24 DESCRIPT	PRESSUR 2025 DE I.D. 0 0 0 0 TOTAL HRS	BOILER	TODAY WELL BOILER; BLOWDO VOLUME CUM.	p 1 SPM 98 H # DWN SS FC L	DOTAGIAST 24	Pump 2 Pr SP 98	# JNTS	NO 1	LENGTH LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLI	Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN EPAIRS	N/A N/A O.D.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	LENGT	DDRILL	L STRING	DEVIA	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGI AVERAGE KVA DELIVERED TO ON Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	WEIGHT HRS 2	GPM GPM 2296.0 -533.0 -2296.1 LAST 24 DESCRIPT	PRESSUR 2025 DE I.D. 0 0 0 0 TOTAL HRS	BOILER	TODAY WELL BOILER; BLOWDO VOLUME CUM.	p 1 SPM 98 H # DWN SS FC L	DOTAGIAST 24	Pump 2 Pr SP 98	# JNTS	NO 1	LENGTH LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLI BRILLING A DRILL F	Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN EPAIRS	N/A N/A O.D.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	LENGT	DDRILL	DEP	DEVIA	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHG AVERAGE KVA DELIVERED TO On Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	WEIGHT HRS 2	GPM GPM 2296.0 -533.0 -2296.1 LAST 24 DESCRIPT	PRESSUR 2025 DE I.D. 0 0 0 0 TOTAL HRS	BOILER	TODAY WELL BOILER; BLOWDO VOLUME CUM.	p 1 SPM 98 H # DWN SS FC L	DOTAGIAST 24	Pump 2 Pr SP 98	# JNTS	NO 1	LENGTH LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLI BRILLING A DRILL F	Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN EPAIRS	N/A N/A O.D.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	LENGT	TH D	DEP	DEVIA TH	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHG AVERAGE KVA DELIVERED TO On Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	WEIGHT HRS 2	GPM GPM 2296.0 -533.0 -2296.1 LAST 24 DESCRIPT	PRESSUR 2025 DE I.D. 0 0 0 0 TOTAL HRS	BOILER	TODAY WELL BOILER; BLOWDO VOLUME CUM.	p 1 SPM 98 H # DWN SS FC L	DOTAGIAST 24	Pump 2 Pr SP 98	# JNTS	NO 1	LENGTH LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLI BRILLING A DRILL F	Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN EPAIRS	N/A N/A N/A O.D. O.D. FROM 4105	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	ER HR	TH D	DEP	DEVIA TH	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHG AVERAGE KVA DELIVERED TO On Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	WEIGHT HRS 2	GPM GPM 2296.0 -533.0 -2296.1 LAST 24 DESCRIPT	PRESSUR 2025 DE I.D. 0 0 0 0 TOTAL HRS	BOILER	TODAY WELL BOILER; BLOWDO VOLUME CUM.	p 1 SPM 98 H # DWN SS FC L	DOTAGIAST 24	Pump 2 Pr SP 98	# JNTS	NO 1	LENGTH LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLI BRILLING A DRILL F	Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN EPAIRS	N/A N/A N/A O.D. O.D. FROM 4105	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	ER HR	TH D	DEP	DEVIA TH	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHG AVERAGE KVA DELIVERED TO On Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	WEIGHT HRS 2	GPM GPM 2296.0 -533.0 -2296.1 LAST 24 DESCRIPT	PRESSUR 2025 DE I.D. 0 0 0 0 TOTAL HRS	BOILER	TODAY WELL BOILER; BLOWDO VOLUME CUM.	p 1 SPM 98 H # DWN SS FC L	DOTAGIAST 24	Pump 2 Pr SP 98	# JNTS	NO 1	LENGTH LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLI BRILLING A DRILL F	Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN EPAIRS	N/A N/A N/A O.D. O.D. FROM 4105	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	ER HR	TH D	DEP	DEVIA TH	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Depth 1105 - 4190 1190 - 4218 SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGI AVERAGE KVA DELIVERED TO On Hand Used Today Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	WEIGHT HRS 2	GPM GPM 2296.0 -533.0 -2296.1 LAST 24 DESCRIPT	PRESSUR 2025 DE I.D. 0 0 0 0 TOTAL HRS	BOILER	TODAY WELL BOILER; BLOWDO VOLUME CUM.	p 1 SPM 98 H # DWN SS FC L	DOTAGIAST 24	Pump 2 Pr SP 98	# JNTS	NO 1	LENGTH LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOLI BRILLING A DRILL F	Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4)) R	9IN 9IN EPAIRS	N/A N/A N/A O.D. O.D. FROM 4105	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	ER HR	TH D	DEP	DEVIA TH	ATION	SURV	EYS

WE AI	ONEER LLNAME DM Verifica ERATOR	ation We	ell #1		, LI	LC		COI	GAL DESCRIP	TION	NG F	REPOR	T 2	DATE 201010 STATE	SPUD D/ 09-23- JOB STA	.10 12	/IE 2:30 ≣	В ТҮРЕ	DAY 18	3 NO. YS FR SP YS ON JO		WELL TYI	ED TD
RIG	OM (ARCHE MANAGER	ER DAN	IEL MIDL	R		ONE NUI		OPI	acon ERATORS RE		TATIVE	CO.	MAN PH N	IL 10.	09-15-					ATHER			
ОРІ	WOOD ERATIONS @ R					43-005	53	P 1	T HUGHES	SR				OPERATI	ONS NEXT 2	4 HRS			CL	OUDY/	46DEG		
Th	ACCIDENTS			H #3 COF	KE.						# OF JS		SAFETY D		NG / TRIF AFETY RATE		G.P.S.	COORDI	NATES		BOP TEST		
ETY	NONE SAFETY MEE	TING TOPI	cs								# STOP 0	19 ARDS LAS	MEETING	DATE				3796 W N-O-MATIC			9/27/10/1 BOP DRILL		
SAFE	TRIPPING LAST INSPEC		INSPECTION	I BY/TITLE		10	CREW M/U	<u> </u>	EXTRA	CREWS			AT700		OFFICE NOT		YES	URS PAS	T 24		BOP DRILL	DATE / T	ME
0,																	104.00						
တ္ထ	CURRENT DEI	PTH F0 28		T 24 PEN. R 0.0	ATE	ROT	. HRS	MAX. G	BCKG	R GAS	CONN. G	AS TRIP GA		st casin 3	IG SIZE & SE	T DEPTI	H	H			RIG C	T	RENTAL
OPS	HOOKLOAD 109	•	PICKUP W 109	EIGHT	SL.	ACKOFF 9		109	TING	R	OTARY TO	RQUE	NE	XT CASIN	NG SIZE & SE	T DEPT	Н		DAILY				
		ud Wt IN /	OUT Funi	nel Vis PV		YLD PT	10 S GEL	10 M GE	EL FI. Loss	FILT C	к нтнр	FL HTTP F			UEL ADDED				AVERA	AGE	0.00	0.	00
MUD	Mud Type	<u> </u>	% SOLID	S % LCM %	SANE	O % OII	 	pН	MF	PF	CALCIU		s	DAY	MUD COS				CUMUI		0.00		00
Ī	water CENTRIFUGES	s	10			 ER TYPE		9.5			80 CREENS	2400	СН	ILY 236	١	WATER S		50		_ATIVE			
	FROM T	O HR	S CODE		ATI	ONAL			DETAIL	_	210	IN SEQUENCE		625.00	I	HYD		ı	DAYS	IME RDE	18.0		B.0 lay / Well)
	700 715	5 0.25		SAFET					DETAIL	3 OI OF	LIVATIONS	IN SEQUENCE							\neg		P / DOWN	(100	0.5
	715 141 1415 150		4 5 6	TRIP O																2: DRILLI 3: REAMI			189.5 12.75
	1500 151	15 0.25		SAFET	Y ME	EETING	3													4: CORIN 5: COND.	G	13.25	28.25 19.75
	1515 201 2015 230		6 6				LE W/ CO													6: TRIPS		10.0	58.25
	2300 231	15 0.25	5 21	SAFET		EETING	G													7: LUBRIO 8: REPAII	CATE RIG R RIG		16.5
	2315 053 0530 070	30 6.25 00 1.5	6	TRIP O				BWS I	HEAD + O	BWS I	HEAD A	ND LINER)							9: C/O DF	RILL LINE		7.5
	0700	0.0		TIME O	J 1 V															11: WIRE	LINE LOG	_	2.0
LOG																			_	13: WAIT	CSG & CMN ON CEMEN		8.5
TIME LOG																			1-	14: NIPPI 15: TEST	LE UP BOP BOP		17.5 5.75
F																				16: DRILL 17: PLUG	STEM TES	т	
																				18: SQUE	EZE CMN	г	
																				19: FISHI 20: DIR. V			
																						0.75	7.5 8.25
																							0.5
																			-	OTHER Total He	ours	0.0 24.0	6.75 393.5
	BIT#	SIZE	TYPE		AKE		SERIAL			ZLES		IN @	OUT @	@ [DRILLED	HRS		CUM. HRS			CONDITIO	•	ROP
BITS			/G-C44CD /G-C44CD				5175439 5175439	3X				4057 4057					0.00						
B																	0.00						
	Depth		GPM	PRESSURI		Pum		Pump		ump 3		Pump 4		TYPE	STROKE		ufactu				MAX PSI	SPR Kill Rate	KILL (SPM)
PUMPS						Liner	SPM L	iner	SPM Line	er SF	PM Line	er SPM	Pump 1		9IN	N/A			0.0	00			
اک	4218 - 4246	;		625	E		92 6		SPINI LIII				Pump 2	Q-Z3	9IN	N/A			0.0				
	4218 - 4246 4246 -			625	6	6	92 6 6		SFWI LIII				Pump 3	Q-23	9IN	N/A			0.0	00 00			
		WEIGH		625 575	6	6	92 6 6 91 6	READ	# JNTS	3 1	LENGTH				9IN REPAIRS	N/A			0.0	00 00 00	REMARKS		
	4246 -			625 575	6	6 6	92 6 6 91 6			3	LENGTH		Pump 3 Pump 4			N/A			0.0	00 00 00	REMARKS		
STRG	4246 -			625 575	6	6 6	92 6 6 91 6			6	LENGTH		Pump 3 Pump 4			N/A			0.0	00 00 00	REMARKS		
	4246 - SIZE			625 575	6	6 6	92 6 6 91 6			3	LENGTH		Pump 3 Pump 4			N/A			0.0	00 00 00 . STRING			
DRLLSTRG	4246 -			625 575	6	6 6	92 6 6 91 6			NO.			Pump 3 Pump 4 ON R	ACK	REPAIRS	N/A	I.D.	LENGT	0.0 0.0 DRILL	00 00 00 . STRING	EVIATIO	ON SUR	
DRLLSTRG	LOCATION Co. No. HRS TODAY	WEIGH		625 575	6	6 6	92 6 6 91 6					IN HOLE	Pump 3 Pump 4 ON R	ACK	REPAIRS				0.0 0.0 DRILL	00 00 00 . STRING	EVIATIO		VEYS AZM
STRG	LOCATION Co. No.	WEIGH		625 575	6	6 6	92 6 6 91 6					IN HOLE	Pump 3 Pump 4 ON R	ACK	REPAIRS				0.0 0.0 DRILL	00 00 00 . STRING	EVIATIO	ON SUR	
DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH AVERAGE KV	WEIGH		625 575	6	6 6	92 6 6 91 6					IN HOLE	Pump 3 Pump 4 ON R	ACK	REPAIRS				0.0 0.0 DRILL	00 00 00 . STRING	EVIATIO	ON SUR	
ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH	WEIGH	IT GRAI	625 575 DE I.D.		6 6	92 6 6 91 6	READ				IN HOLE	Pump 3 Pump 4 ON R	ACK	REPAIRS				0.0 0.0 DRILL	00 00 00 . STRING	EVIATIO	ON SUR	
ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today	WEIGH	1763.0 533.00	625 575 DE I.D.		TJ O.D.	92 6 6 91 6 THI	READ	# JNTS			IN HOLE	Pump 3 Pump 4 ON R	ACK	REPAIRS				0.0 0.0 DRILL	00 00 00 . STRING	EVIATIO	ON SUR	
DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH AVERAGE KV DELIVERED T On Hand	WEIGH	1763.0	625 575 DE I.D.	SOILER	TODAY WELL BOILER	92 6 6 91 6 THI HOUF	READ	# JNTS			IN HOLE	Pump 3 Pump 4 ON R	ACK	REPAIRS				0.0 0.0 DRILL	00 00 00 . STRING	EVIATIO	ON SUR	
RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We	WEIGH L IGE /A TODAY	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 00	BOILER	TODAY WELL BOILER: BLOWDO	92 6 6 91 6 91 HOUF	READ	# JNTS			IN HOLE	Pump 3 Pump 4 ON R	ACK	REPAIRS				0.0 0.0 DRILL	00 00 00 . STRING	EVIATIO	ON SUR	
RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand	WEIGH L IGE /A TODAY	1763.0 533.00	625 575 DE I.D.	BOILER	TODAY WELL BOILER:	92 6 6 91 6 91 HOUF	READ	# JNTS			IN HOLE	Pump 3 Pump 4 ON R	ACK	REPAIRS				0.0 0.0 DRILL	00 00 00 . STRING	EVIATIO	ON SUR	
RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR	WEIGH L IGE /A TODAY	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ	# JNTS			IN HOLE	Pump 3 Pump 4 ON R	ACK	REPAIRS				0.0 0.0 DRILL	00 00 00 . STRING	EVIATIO	ON SUR	
ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR	WEIGH L IGE /A TODAY	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ	# JNTS	NO.		IN HOLE	Pump 3 Pump 4 ON R	ACK	REPAIRS				0.0 0.0 DRILL	00 00 00 . STRING	EVIATIO	ON SUR	
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR	WEIGH L IGE /A TODAY	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ	# JNTS	NO.		IN HOLE	Pump 3 Pump 4 ON R	ACK	REPAIRS				0.0 0.0 DRILL	00 00 00 . STRING	EVIATIO	ON SUR	
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR	WEIGH L IGE /A TODAY	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ	# JNTS	NO.		IN HOLE	Pump 3 Pump 4 ON R	ACK)	O.D.			0.0 0.0 DRILL	00 00 00 . STRING	EVIATION I	ON SUR	AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR	WEIGH	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ	# JNTS	NO.		IN HOLE	Pump 3 Pump 4 ON R	ACK	REPAIRS	O.D.			0.0 0.0 DRILL	00 00 00 . STRING	EVIATION I	ON SUR	AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR	WEIGH	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ	# JNTS	NO.	LY DOWN	IN HOLE	Pump 3 Pump 4 ON R	ACK) STAN	O.D.			0.0 0.0 DRILL	00 00 00 . STRING	EVIATION I	ON SUR	AZM
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR	WEIGH	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ	# JNTS	NO.	LY DOWN	IN HOLE RILLING AS DRILL P	Pump 3 Pump 4 ON R	ACK) STAN	O.D.	1.D.	LENGT	0.0 0.0 DRILL	00 00 00 . STRING	EVIATION I	ON SUR	AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR	WEIGH L IGE //A FODAY	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ READ	# JNTS	NO.	LY DOWN	IN HOLE	Pump 3 Pump 4 ON R	ACK) STAN	O.D.	I.D.	LENGT	0.0 0.0 DRILL	D DEPT	EVIATION I	ON SUR	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELI HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR SERIAL #	WEIGH L IGE //A FODAY	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ READ	# JNTS	NO.	LY DOWN	IN HOLE RILLING AS DRILL P	Pump 3 Pump 4 ON R	ACK) STAN	O.D.	1.D.	LENGT	0.0 0.0 DRILL	D DEPT	EVIATION IN THE PROPERTY OF TH	DN SUR	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELI HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR SERIAL #	WEIGH L IGE //A FODAY	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ READ	# JNTS	NO.	LY DOWN	IN HOLE RILLING AS DRILL P	Pump 3 Pump 4 ON R	ACK) STAN SING	O.D.	1.D.	LENGT	0.0 0.0 DRILL	DEPT ODE 4	DRILLE	ON SUR	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELI HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR SERIAL #	WEIGH L IGE //A FODAY	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ READ	# JNTS	NO.	LY DOWN	IN HOLE RILLING AS DRILL P	Pump 3 Pump 4 ON R	ACK) STAN SING	O.D. DS ES FRO 4218	1.D.	LENGT	0.0 0.0 DRILL	DEPT ODE 4	DRILLE RPM	D 11	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELI HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR SERIAL #	WEIGH L IGE //A FODAY	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ READ	# JNTS	NO.	LY DOWN	IN HOLE RILLING AS DRILL P	Pump 3 Pump 4 ON R	ACK) STAN SING	O.D. DS ES FRO 4218	1.D.	LENGT	0.0 0.0 DRILL	DEPT ODE 4	DRILLE RPM	D 11	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELI HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR SERIAL #	WEIGH L IGE //A FODAY	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ READ	# JNTS	NO.	LY DOWN	IN HOLE RILLING AS DRILL P	Pump 3 Pump 4 ON R	ACK) STAN SING	O.D. DS ES FRO 4218	1.D.	LENGT	0.0 0.0 DRILL	DEPT ODE 4	DRILLE RPM	D 11	AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELI HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR SERIAL #	WEIGH L IGE //A FODAY	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ READ	# JNTS	NO.	LY DOWN	IN HOLE RILLING AS DRILL P	Pump 3 Pump 4 ON R	ACK) STAN SING	O.D. DS ES FRO 4218	1.D.	LENGT	0.0 0.0 DRILL	DEPT ODE 4	DRILLE RPM	D 11	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELI HRS LAST CH AVERAGE KV DELIVERED T On Hand Used Today Used This We Fuel Brand DISTRIBUTOR SERIAL #	WEIGH L IGE //A FODAY	1763.0 533.00 -1763.	625 575 DE I.D. 00 00 TOTAL HRS	BOILER	TODAY WELL BOILER: BLOWDO VOLUME CUM.	92 6 6 91 6 91 HOUF	READ READ READ READ	# JNTS	NO.	LY DOWN	IN HOLE RILLING AS DRILL P	Pump 3 Pump 4 ON R	ACK) STAN SING	O.D. DS ES FRO 4218	11000 202.2	LENGT	0.0 0.0 DRILL	DEPT ODE 4	DRILLE RPM	D 11	AZM

Р	10	NEEF	R OIL	FIEL	D SER	VICES	6. LI	LC				MOI	RNI	NG R	EPOF	?T	2010		2	RIG N	0. 30	В ТҮРЕ	JC	B NO.		WE	ELL TYPE	
WE	ELLI	NAME VI Verifi					, _				LEGAL	DESCRIPTI		101		<u> </u>	2010	0101	SPUD	13 DATE / TI 3-10 1			D/ 19	AYS FR SI	PUD	PR	OJECTED	TD
ОР	PER	ATOR			_ MIDLA	ND)					соинт	Y / PARISH					STATE	E	JOB ST	ART DAT	E		\rightarrow	YS ON J	ОВ	ES	ST. RELEA	ASE
RIG	G M	IANAGER				R		ONE NU			OPERA	TORS REPI	-	ATIVE	co	. MAN P				SE DATE			W	EATHER LOUDY	/46DI	EG		
ОР	ER	ATIONS @	@ REPOI	RT TIME						ļ							OPER DRIL		NS NEXT	24 HRS								
	Α	ACCIDENT	rs or N	IEAR MIS	SES:									# OF JSA	's RIG	SAFET	Y DAYS		ETY RAT	E		COORD 3 796 W					TE / PRES	
FETY	s	SAFETY M			ING									# STOP C	ARDS LAS	T MEET	ING DATI	E				N-O-MATI					ATE / TIMI	
SA	F	AST INSP	PECTION	INS	PECTION	BY / TITLE			CREW	M / U		EXTRA C	REWS /	WHY?				O	FFICE NO	TIFIED	MANHO 104.00	URS PAS	ST 24		ВОР [DRILL D	ATE / TIM	E
S		URRENT	DEPTH	FOOT/	AGE LAST	24 PEN. R		RO ⁻	T. HRS	MA	X. GAS	BCKGR	GAS	CONN. G	AS TRIP G	AS	LAST C/		SIZE & S	SET DEPT	Ή					G CO		
OP	Н	00KLOAE 09	D	Р	ICKUP WEI			ACKOFF			OTATING 09	<u> </u>	RC	TARY TOR	QUE				SIZE & S	SET DEPT	ТН		DAIL	Y	8	8 & R	F	RENTAL
	Ti	ime	Mud Wt	IN / OU		Vis PV			10 S (GEL 10 I		l. Loss	FILT C	HTHP F	L HTTP		TODAY	FUI	EL ADDE	D TO MU CUM. (AVER	RAGE	0.00)	0.00)
MUD		lud Type vater	J. <u>L</u>			% LCM %	SANI	D % OI	L %		pH 9.5	MF F	PF	CALCIUN 80	CHLORID	≣S	DAILY 2	2052	MUD C	OSTS	6570.5	50	CUMI	JLATIVE	0.00)	0.00	 D
2	C	ENTRIFU	GES	<u> </u>	U			L ER TYPE ONAL		Į š	,.J <u> </u>	l_		REENS 10	2400		CHANGE 2625.	ED			SOURCE		CUMU	JLATIVE	19.0)	19.0))
			TO	HRS	CODE							DETAILS			IN SEQUENC	E								TIME BRI	EAKDO	WN	(Toda	y / Well)
				0.25 1.5	21 6	SAFET TRIP O				ITH C	DRE													1: RIG U 2: DRILL			1.5	0.5 191.0
				1.75 2.75	4 6	LAY DO				Y DOV	VN MC	NEL AN	ND PIC	K UP E	B.H.C									3: REAN 4: CORI			8.5 1.75	21.25 30.0
	1:	315 1	1500	1.75	6	TRIP IN	НО	LE WI	TH C			D HEAV												5: COND 6: TRIPS			7.75	19.75 66.0
	1	515 1	1700		21 6	SAFET TRIPS																	 _	7: LUBR 8: REPA			2.25	18.75
			1830 2100	1.5 2.5	10 3	DEVIAT REAMII		I SUR	VEY															9: C/O D 10: DEV			1.5	9.0
ව			2300 2315	2.0 0.25	8 21	REPAIR				G CLU	ITCH (ON NO. 2	2 PUM	P									<u></u>	11: WIRI 12: RUN				2.0 3.75
ELO	2	315 2	2330	0.25	8	WOMP	#2 (CLUT	CH)	100														13: WAI7		ſ		8.5 17.5
TIME	5 5			6.0 1.5	2	REAMII DRILL				- 4264	•													15: TEST		I TEST		5.75
	F																							17: PLU0	EEZE (
	F																						-	19: FISH 20: DIR.				
	E																										0.75	8.25 8.25
	E																											0.5
	F																							OTHER				6.75
	L	DIT"	Louzi	- 1	TVDE		ALCE		055	DIAL #		NOT	W 50		m e	Lau	ı . a	DE		Lun	. 1			Total H	ours		24.0	417.5
(0	5	BIT#	SIZI	E	TYPE	IVI	AKE			RIAL#		NOZZ	ZLES		IN @	OL	JT @	DF	RILLED	HRS	0.0		रड		CON	DITION		ROP
1,00	и –								51754													n						
BITS	5		12 1/4	VG	C44CDX	нтс			31734	39	3X18				4057						0.00	0						
	H			VG				Pum			3X18 ump 2	Pı	ump 3	Р	4057 ump 4		TY	PE	STROP	Œ Ma		0	RS	Total HRS	KAM 8	(PSI K	SPR ill Rate	(ILL (SPM)
	H	De _l 218 - 42	pth	VG	GPM	PRESSUR				Р	ump 2				ump 4		1 Q-Z9 2 Q-Z9	9	STROM 9IN 9IN	E Ma	0.00 0.00 nufactu	0	0	Total HRS	(AM	(PSI K	SPR ill Rate	(ILL (SPM)
PUMPS BITS	H	De	pth	VGO	GPM			Pum Liner	ıp 1	P	ump 2				ump 4	Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN	N/A	0.00 0.00 nufactu	0	0	.00	S MAX	(PSI K	SPR ill Rate	KILL (SPM)
PUMPS	42	De _l 218 - 42	pth 223 64	VGO	GPM	PRESSURI		Pum Liner	1p 1 SPM 87	P Line 6 6	ump 2 r SPI		r SPI		ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN	N/A	0.00 0.00 nufactu	0	0 0 0	0.00			SPR iii Rate	(ILL (SPM)
STRG PUMPS	42	De _l 218 - 42 223 - 42	pth 223 64		GPM 1	PRESSURI		Pun Liner 6	1p 1 SPM 87	P Line 6 6 6	ump 2 r SPI	M Line	r SPI	M Line	ump 4 er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N/A	0.00 0.00 nufactu	0	0 0 0	0.00 0.00 0.00			SPR iii Rate	KILL (SPM)
PUMPS	42	De _l 218 - 42 223 - 42	pth 223 64		GPM 1	PRESSURI		Pun Liner 6	1p 1 SPM 87	P Line 6 6 6	ump 2 r SPI	M Line	r SPI	M Line	ump 4 er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N/A	0.00 0.00 nufactu	0	0 0 0	0.00 0.00 0.00			SPR iii Rate	(ILL (SPM)
DRLLSTRG PUMPS	42 42	De _I 218 - 42 223 - 42 SIZE	pth 23 64		GPM 1	PRESSURI		Pun Liner 6	1p 1 SPM 87	P Line 6 6 6	ump 2 r SPI	M Line	r SPI	M Line	ump 4 er SPM	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A	0.00 0.00 nufactu	0	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ARKS	SURV	EYS
DRLLSTRG PUMPS	42 42	Dej 218 - 42 223 - 42 SIZE OCATION Co. No.	pth 23 64 V		GPM 1	PRESSURI		Pun Liner 6	1p 1 SPM 87	P Line 6 6 6	ump 2 r SPI	M Line	r SPI	M Line	ump 4 er SPM IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ARKS	SURV	
STRG PUMPS	42 42 42 HI H	De _l 218 - 42 223 - 42 SIZE OCATION Co. No.	pth 23 64 V		GPM 1	PRESSURI		Pun Liner 6	1p 1 SPM 87	P Line 6 6 6	ump 2 r SPI	M Line	r SPI	M Line	ump 4 er SPM IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ARKS	SURV	EYS
DRLLSTRG PUMPS	42 42 42 10 10 10 10 10 10 10 10 10 10 10 10 10	Del 218 - 42 223 - 42 SIZE OCATION So. No. IRS TODA' IRS ON WI	pth 23 64 Y ELL CHGE KVA	WEIGHT	GPM 1	PRESSURI		Pun Liner 6	87	Line 6 6 7 THREA	ump 2 r SP	# JNTS	r SPI	M Line	ump 4 er SPM IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	42 42 42 42 42 42 42 42	Deposition	pth 23 64 Y ELL CHGE KVA	WEIGHT	GPM 11 GRADE 1025.00	PRESSURI		Pum Liner 6 6 7 TJ O.D.	87	P Line 6 6 6	ump 2 r SP	M Line	r SPI	M Line	ump 4 er SPM IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	42 42 42 42 42 42 42 42	Deposition of the control of the con	Pth 23 64 Y ELL CHGE KVA D TODA ay Well	WEIGHT	GPM 1	956 I.D.	OILER	Pum Liner 6 6 7 TJ O.D.	87	Line 6 6 7 THREA	ump 2 r SP	# JNTS	r SPI	M Line	ump 4 er SPM IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ARKS	SURV	EYS
DRLLSTRG PUMPS	42 42 42 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVEREI ON Hand Jsed Toda	pth 23 64 Y ELL CHGE KVA D TODA	WEIGHT	GPM 1 1 GRADE 1 1025.00 738.00	956 I.D.	BOILER	Pum Liner 6 6 7 TJ O.D.	87	Line 6 6 7 THREA	ump 2 r SP	# JNTS	r SPI	M Line	ump 4 er SPM IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	42 42 42 41 41 41 41 41 41 41 41 41 41 41 41 41	Department of the property of	pth 23 64 Y ELL CHGE KVA D TODA ay Well d	WEIGHT	GPM 1 1 GRADE 1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER	87 BY BY BY BY BY BY BY BY BY B	Line 6 6 7 THREA	ump 2 r SPI 87 D FUI	# JNTS	r SPI	M Line	ump 4 er SPM IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	42 42 42 41 41 41 41 41 41 41 41 41 41 41 41 41	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVEREI ON Hand Jsed Toda Jsed Toda Jsed This Fuel Branc DISTRIBUT	pth 23 64 Y ELL CHGE KVA D TODA ay Well d	WEIGHT Y	GPM 1 1 GRADE 1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	87 BY BY BY BY BY BY BY BY BY B	P Line 6 6 6 THREA	ump 2 r SPI 87 D FUI	# JNTS	r SPI	M Line	ump 4 er SPM IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	42 42 42 41 41 41 41 41 41 41 41 41 41 41 41 41	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVEREI ON Hand Jsed Toda Jsed Toda Jsed This Fuel Branc DISTRIBUT	pth 23 64 Y ELL CHGE KVA D TODA ay Well d	WEIGHT HRS LA	GPM 1 1 GRADE 1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	87 BY BY BY BY BY BY BY BY BY B	P Line 6 6 6 THREA	ump 2 r SPI 87 D FUI	# JNTS	r SPI	M Line	ump 4 er SPM IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ARKS	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	42 42 42 42 42 42 42 42 42 42 42 42 42 4	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVEREI ON Hand Jsed Toda Jsed Toda Jsed This Fuel Branc DISTRIBUT	pth 23 64 Y ELL CHGE KVA D TODA ay Well d	WEIGHT HRS LA	1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	87 BY BY BY BY BY BY BY BY BY B	P Line 6 6 6 THREA	ump 2 r SPI 87 D FUI	# JNTS # JNTS TOTAL DOTAGE	r SPI	M Line	ump 4 er SPM IN HOLE	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ARKS	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	42 42 42 42 42 42 42 42	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVEREI ON Hand Jsed Toda Jsed Toda Jsed This Fuel Branc DISTRIBUT	pth 23 64 Y ELL CHGE KVA D TODA ay Well d	WEIGHT HRS LA	1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	87 BY BY BY BY BY BY BY BY BY B	P Line 6 6 6 THREA	ump 2 r SPI 87 D FUI	# JNTS # JNTS TOTAL DOTAGE	r SPI	M Line	ump 4 er SPM IN HOLE	Pump Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN	N/A	0.00	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ARKS	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	42 42 42 42 42 42 42 42	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVEREI ON Hand Jsed Toda Jsed Toda Jsed This Fuel Branc DISTRIBUT	pth 23 64 Y ELL CHGE KVA D TODA ay Well d	WEIGHT HRS LA	1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	87 BY BY BY BY BY BY BY BY BY B	P Line 6 6 6 THREA	ump 2 r SPI 87 D FUI	# JNTS # JNTS TOTAL DOTAGE	NO.	M Line	IN HOLE	Pump Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EEPAIRS	O.D.	I.D.	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	42 42 42 42 42 42 42 42	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVEREI ON Hand Jsed Toda Jsed Toda Jsed This Fuel Branc DISTRIBUT	pth 23 64 Y ELL CHGE KVA D TODA ay Well d	WEIGHT HRS LA	1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	87 BY BY BY BY BY BY BY BY BY B	P Line 6 6 6 THREA	ump 2 r SPI 87 D FUI	# JNTS # JNTS TOTAL DOTAGE	NO. 45 1 KELL TOTA	ENGTH DF	IN HOLE	Pump Pump Pump Interpretation	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N// N//	0.00	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	42 42 42 42 42 42 42 42 42 42 42 42 42 4	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVERED ON Hand Jsed Toda Jsed Toda Jsed Toda JSED TODA SERIAL	pth 23 64 Y ELL CHGE KVA D TODA ay Well d FOR #	VEIGHT Y HRS LA	1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	87 BY BY BY BY BY BY BY BY BY B	P Line 6 6 6 THREA	ump 2 r SPI 87 D FUI	# JNTS # JNTS TOTAL DOTAGE	NO. 45 1 KELL TOTA	ENGTH DF V DOWN C COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N// N//	0.00 0.00 nufactu A A 1.D.	LENG LENG 70 60	DRIL	DEP	DEVIA	ARKS	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	42 42 42 42 42 42 42 42 42 42 42 42 42 4	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVEREI ON Hand Jsed Toda Jsed Toda Jsed This Fuel Branc DISTRIBUT	pth 23 64 Y ELL CHGE KVA D TODA ay Well d FOR #	VEIGHT Y HRS LA	1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	87 BY BY BY BY BY BY BY BY BY B	P Line 6 6 6 THREA	ump 2 r SPI 87 D FUI	# JNTS # JNTS TOTAL DOTAGE	NO. 45 1 KELL TOTA	ENGTH DF V DOWN C COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N// N// N// O.D. O.D. INDS GLES	0.00 0.00 nufactu A A 1.D. 4277. 31.90 4309.	LENG COLUMN TET HI COLUMN TO TO TO TO TO TO TO TO TO T	D D	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIA	ARKS	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	42 42 42 42 42 42 42 42 42 42 42 42 42 4	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVERED ON Hand Jsed Toda Jsed Toda Jsed Toda JSED TODA SERIAL	pth 23 64 Y ELL CHGE KVA D TODA ay Well d FOR #	VEIGHT Y HRS LA	1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	87 BY BY BY BY BY BY BY BY BY B	P Line 6 6 6 THREA	ump 2 r SPI 87 D FUI	# JNTS # JNTS TOTAL DOTAGE	NO. 45 1 KELL TOTA	ENGTH DF V DOWN C COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N// N// N// O.D.	0.00 0.00 nufactu A A 1.D. 4277. 31.90 4309.	LENG LENG 70 60	DD	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIA	ATION INC	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	42 42 42 42 42 42 42 42 42 42 42 42 42 4	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVERED ON Hand Jsed Toda Jsed Toda Jsed Toda JSED TODA SERIAL	pth 23 64 Y ELL CHGE KVA D TODA ay Well d FOR #	VEIGHT Y HRS LA	1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	87 BY BY BY BY BY BY BY BY BY B	P Line 6 6 6 THREA	ump 2 r SPI 87 D FUI	# JNTS # JNTS TOTAL DOTAGE	NO. 45 1 KELL TOTA	ENGTH DF V DOWN C COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N// N// N// N// N// N// O.D. O.D. INDS GLES FR. 4218	0.00 0.00 1.D. 1.D.	LENG TO TO TO TO TO TO TO TO TO T	DD RIL	DEP DEP CODE CODE	DEVIA TH DRIL R 53	ATION INC	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	42 42 42 42 42 42 42 42 42 42 42 42 42 4	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVERED ON Hand Jsed Toda Jsed Toda Jsed Toda JSED TODA SERIAL	pth 23 64 Y ELL CHGE KVA D TODA ay Well d FOR #	VEIGHT Y HRS LA	1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	87 BY BY BY BY BY BY BY BY BY B	P Line 6 6 6 THREA	ump 2 r SPI 87 D FUI	# JNTS # JNTS TOTAL DOTAGE	NO. 45 1 KELL TOTA	ENGTH DF V DOWN C COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N//	0.00 0.00 1.D. 1.D.	D	DD RIL	DEP DEP CODE CODE	DEVIA TH DRIL R 53 70	ATION INC	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	42 42 42 42 42 42 42 42 42 42 42 42 42 4	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVERED ON Hand Jsed Toda Jsed Toda Jsed Toda JSED TODA SERIAL	pth 23 64 Y ELL CHGE KVA D TODA ay Well d FOR #	VEIGHT Y HRS LA	1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	87 BY BY BY BY BY BY BY BY BY B	P Line 6 6 6 THREA	ump 2 r SPI 87 D FUI	# JNTS # JNTS TOTAL DOTAGE	NO. 45 1 KELL TOTA	ENGTH DF V DOWN C COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N//	0.00 0.00 1.D. 1.D.	D	DD RIL	DEP DEP CODE CODE	DEVIA TH DRIL R 53 70	ATION INC	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	42 42 42 42 42 42 42 42 42 42 42 42 42 4	Dej 218 - 42 223 - 42 SIZE OCATION Co. No. IRS TODA' IRS ON WI IRS LAST AVERAGE DELIVERED ON Hand Jsed Toda Jsed Toda Jsed Toda JSED TODA SERIAL	pth 23 64 Y ELL CHGE KVA D TODA ay Well d FOR #	VEIGHT Y HRS LA	1025.00 738.00 -1025.00	956 I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	87 BY BY BY BY BY BY BY BY BY B	P Line 6 6 6 THREA	ump 2 r SPI 87 D FUI	# JNTS # JNTS TOTAL DOTAGE	NO. 45 1 KELL TOTA	ENGTH DF V DOWN C COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9	9IN 9IN EEPAIRS	N//	0.00 0.00 1.D. 1.D.	D	DD RIL	DEP DEP CODE CODE	DEVIA TH DRIL R 53 70	ATION INC	SURVI	EYS

Р	IONI	EER O	ILFI	ELD SE	RVIC	ES. L	_LC				MOI	RNI	NG R	EPOF	Σ Τ	DATE 201	0101	3	15	10. JC	B TYPE	Jo	OB NO.		W	ELL TYPE	
WE	LLNAN									LEGAL	DESCRIPT		110 1		<u> </u>	2010	0101	SPUD	DATE / T			DA 20	AYS FR SI	PUD	PF	ROJECTED) TD
ОР	ERATO	DR .		IEL MIDI	AND)					соинт	Y / PARISH	l				STATI	E	JOB S	TART DA	ΓΕ			AYS ON J	ОВ	ES	ST. RELEA	ASE
RIG	MANA WO	AGER				RIG P	PHONE N			OPERA	TORS REP	-	FATIVE	CC). MAN F			+	ASE DATI			WI	EATHER LOUDY	//46D	EG		
ОР	ERATIO	ONS @ REF LATEIN		ΛE		_ 10		<u> </u>		• • •									24 HRS								
		IDENTS OI		MISSES:									# OF JS/	N's RIC	SAFET	Y DAYS		ETY RAT		G.P.S.	coord 8796 W					TE / PRES	
FETY	SAFE	ETY MEETII PPING/ (# STOP C	ARDS LA	ST MEET 24AT7	ING DAT	Ē				N-O-MATI					ATE / TIM	
SAF		INSPECTI		INSPECTIO	N BY/T	TLE		CREW	M/U		EXTRA C	REWS /	WHY?	012			0	FFICE N	OTIFIED		OURS PA	ST 24		BOP I	DRILL D	ATE / TIM	E
		RENT DEPT		OTAGE LAS				OT. HRS	M	AX. GAS	BCKGF	RGAS	CONN. G	AS TRIP C	AS			SIZE &	SET DEP					RIC	G CO	STS	
OPS		KLOAD	23	PICKUP V			SLACKOF	6.75 FF		ROTATING	<u> </u>	RC	TARY TOF	QUE		13 3/8 NEXT C		SIZE &	SET DEP	ТН			.,	;	S&R	F	RENTAL
	109 Time		Wt IN/		nel Vis	PV 1	09 YLD P	T 10 S		09 M GEL F	I. Loss	FILT C	K HTHP	L HTTP	FC		FU	EL ADDE	D TO MU	D		DAIL		0.00		0.00	•
	600 Mud T	9.3 Type		54 % SOLID	S % LCI	14 VI % SAI	6 ND % (1 DIL %	5 H2O	pН	MF I	PF	CALCIUN	I CHLORID		TODAY		MUD C	CUM.	0.00		AVER		0.00		0.00	
MUD	wate CENT	er FRIFUGES		10		-	KER TYP		3	9.0			80 CREENS	3400		DAILY CHANGI	ED	.00		72584.			ULATIVE JLATIVE	0.00		0.00	
	FRO	M TO	HR	S CODE	: 	NAT	IONA	L			DETAILS		210 ERATIONS	IN SEQUENC	E	2625.	.00		HYD			DAYS		20.0		20.0	y / Well)
	700	715	0.25	21	safe	ety me						01 011	<u> </u>	III OLGOLINO									1: RIG U	IP / DO			0.5
	715 830	915	1.25 0.75			AIR O			4283	10 430	J2												2: DRILL 3: REAN			16.75	207.75
	915 1345	1345	4.5	2	DR	ILL AC	TUALI	FROM		ΓΟ4354	4												4: CORII		RC	4.25	30.0 24.0
	1415	5 1500	0.75	2	DR	ILL AC	TUALI	FROM ⁴		04357												-	6: TRIPS		RIG	1.0	67.0
	1500 1515		0.25 0.75			FETY N			4460														8: REPA 9: C/O D	IR RIG		1.25	20.0
	2200			6		SS OF				STAND	S												10: DEV	IATION			9.0 2.0
90	2300		0.25		SAI	FETY N																	12: RUN 13: WAI	CSG &	CMNT		3.75 8.5
ĒĹ	2315 0130) 2.25) 3.5	5 2							OST CII			236 BBL								-	14: NIPF	PLE UP			17.5 5.75
Ε	0500		2.0	5							OR CO			3 FT	-	_			_	_	-		15: TES	L STEN			5.75
																							17: PLU	EEZE			
																							19: FISH 20: DIR.		,		
																										0.75	9.0 8.25
																											0.5
																							OTUED	1			6.75
																	I			_			OTHER Total H	lours		24.0	441.5
S	5 5	T# S		TYPE /GC44CD			E	51754	39	3X18	NOZZ	ZLES		IN @ 4057	Ol	JT @	DF	RILLED	HR	S 0.0	CUM. HF	RS		CON	IDITION		ROP
	1 -	12	1					51754	20	103/40										100			1				1
BITS	5 5	12 1		/GC44CD				51754		3X18 3X18				4057 4057						0.0							
BIT		12 1		/GC44CD	х нто	;	D ₁₁	51754	39	3X18	D.	ump 3		4057		TV	/PF	STRO	KE Ma	0.0	00	IRS	Total HR	S MA	X PSI	SPR	(ILL (SPM)
	5	12 1			X HTC		Liner	51754 imp 1 SPM	39 F	3X18 Pump 2 er SP		ump 3		4057 ump 4		1 Q-Z9		STROI 9IN	N/	0.0 0.0 inufactu	00	0	.00	S MAX	X PSI K	SPR ill Rate	KILL (SPM)
PUMPS BIT	5 4283 4357	Depth 3 - 4357		/GC44CD	х нто	;	Liner 6 6	51754 mp 1	139 F Line 6 6	3X18 Pump 2				4057 ump 4	Pump Pump	1 Q-Z9 2 Q-Z9 3	9			0.0 0.0 inufactu	00	0 0).00).00).00	S MAX	X PSI K	SPR ill Rate	(ILL (SPM)
PUMPS	5 4283 4357 4460	Depth 3 - 4357		GPM	PRES	;	Liner	51754 mp 1 SPM 90	39 Fine	3X18 Pump 2 er SP 90		r SP		4057 ump 4	Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN	N/A	0.0 0.0 inufactu	00	0 0 0	0.00			SPR ill Rate	KILL (SPM)
STRG PUMPS	5 4283 4357 4460	Depth 3 - 4357	1/4	GPM	PRES	SSURE	Liner 6 6 6	51754 mp 1 SPM 90	139 F Line 6 6 6 6	3X18 Pump 2 er SP 90	M Line	r SP	M Line	4057 Jump 4 Per SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN 9IN	N/A	0.0 0.0 inufactu	00	0 0 0	0.00 0.00 0.00 0.00			SPR ill Rate	KILL (SPM)
STRG PUMPS	5 4283 4357 4460	Depth 3 - 4357	1/4	GPM	PRES	SSURE	Liner 6 6 6	51754 mp 1 SPM 90	139 F Line 6 6 6 6	3X18 Pump 2 er SP 90	M Line	r SP	M Line	4057 Jump 4 Per SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN 9IN	N/A	0.0 0.0 inufactu	00	0 0 0	0.00 0.00 0.00 0.00			SPR ill Rate	KILL (SPM)
PUMPS	4283 4357 4460 S	Depth 3 - 4357	1/4	GPM	PRES	SSURE	Liner 6 6 6	51754 mp 1 SPM 90	139 F Line 6 6 6 6	3X18 Pump 2 er SP 90	M Line	r SP	M Line	4057 Pump 4 Pump 4 Pump 1 IN HOLE	Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 Inufactu A	00 urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REM/	ARKS	SPR III Rate	
DRLLSTRG PUMPS	4283 4357 4460 S	Depth 3 - 4357 7 - 0 - 4513 SIZE ATION lo.	1/4	GPM	PRES	SSURE	Liner 6 6 6	51754 mp 1 SPM 90	139 F Line 6 6 6 6	3X18 Pump 2 er SP 90	M Line	r SP	M Line	4057 Jump 4 Per SPM	Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 inufactu	00	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REM/	ARKS	SURV	
DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1	Depth 3 - 4357 7 - 0 - 4513 SIZE ATION Io. TODAY ON WELL	WEIGH	GPM	PRES	SSURE	Liner 6 6 6	51754 mp 1 SPM 90	139 F Line 6 6 6 6	3X18 Pump 2 er SP 90	M Line	r SP	M Line	4057 Pump 4 Pump 4 Pump 1 IN HOLE	Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 Inufactu A	00 urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REM/	ARKS	SURV	EYS
STRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0	Depth 3 - 4357 7 - 0 - 4513 SIZE ATION No.	WEIGH	GPM	PRES	SSURE	Liner 6 6 6	51754 mp 1 SPM 90	139 F Line 6 6 6 6	3X18 Pump 2 er SP 90	M Line	r SP	M Line	4057 Pump 4 Pump 4 Pump 1 IN HOLE	Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 Inufactu A	00 urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REM/	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1	Depth 3 - 4357 7 - 9 - 4513 SIZE ATION No. TODAY ON WELL LAST CHGI RAGE KVA	WEIGH	GPM GPM	PRES 2130	SSURE	Liner 6 6 6 TJ O.J	51754 SPM 90 90 91 91 91 91 91 91	139 F Line 6 6 6 6	3X18 Pump 2 Pump 2 Pump 3 Pump 3 Pump 4 Pump	M Line	r SP	M Line	4057 Pump 4 Pump 4 Pump 1 IN HOLE	Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 Inufactu A	00 urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REM/	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 AVER	Depth 3 - 4357 7 - 9 - 4513 SIZE ATION No. TODAY ON WELL LAST CHGI RAGE KVA	WEIGH	GPM	PRES 2130	I.D.	Liner 6 6 6 TJ O.J	51754 SPM 90 90 91 91 91 91 91 91	F Line 6 6 6 THRE/	3X18 Pump 2 Pump 2 Pump 3 Pump 3 Pump 4 Pump	# JNTS	r SP	M Line	4057 Pump 4 Pump 4 Pump 1 IN HOLE	Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 Inufactu A	00 urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REM/	ARKS	SURV	EYS
DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used	Depth 3 - 4357 7 - 0 - 4513 SIZE ATION IO. TODAY ON WELL LAST CHGI RAGE KVA	WEIGH	GPM GPM 1886.	PRES 2130 DE	SSURE	Liner 6 6 6 TJ O.I	51754 SPM 90	F Line 6 6 6 THRE/	3X18 Pump 2 Pump 2 Pump 3 Pump 3 Pump 4 Pump	# JNTS	r SP	M Line	4057 Pump 4 Pump 4 Pump 1 IN HOLE	Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 Inufactu A	00 urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REM/	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 AVER DELIV On H Used Used Fuel	Depth 3 - 4357 7 - 9 - 4513 SIZE ATION Io. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI land I Today I This Well	WEIGH	GPM IT GRA 1886.0 -1886.0	PRES 2130 DE	BOILER	TODAY WELL BOILEI BLOWG VOLUM	51754 SPM 90 D. R # DOWN	F Line 6 6 6 THREA	3X18 Pump 2 Pump 2 Pump 3 Pump 3 Pump 4 Pump 4 Pump 5 Pump 5 Pump 5 Pump 6 Pump 6 Pump 6 Pump 6 Pump 6 Pump 7 Pump 6 Pump 7 Pump 6 Pump 7 Pump	# JNTS	r SP	M Line	4057 Pump 4 Pump 4 Pump 1 IN HOLE	Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 Inufactu A	00 urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REM/	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTE	Depth 3 - 4357 7 - 0 - 4513 SIZE ATION IO. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI land I Today I This Well Brand	WEIGH	GPM GPM 1886.1	PRES 2130 DE	SSURE BOILER	Liner 6 6 6 TJ O.I	51754 SPM 90 D. R # DOWN MES	F Line 6 6 6 THRE/	3X18 Pump 2 er SP 90 AD FU	# JNTS	r SP	M Line	4057 Pump 4 Pump 4 Pump 1 IN HOLE	Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 Inufactu A	00 urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REM/	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTE	Depth 3 - 4357 7 - 0 - 4513 SIZE ATION No. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI land I Today I This Well Brand RIBUTOR	WEIGH	GPM 1886.0 -1886.0 -1886.0	PRES 2130 DE DO DO DO DO DO DO DO	SSURE BOILER	TODAY WELL BOILEI BLOWI	51754 SPM 90 D. R # DOWN MES	F Line 6 6 6 THREA	3X18 Pump 2 er SP 90 AD FU	# JNTS	r SP	M Line	4057 Pump 4 Pump 4 Pump 1 IN HOLE	Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 Inufactu A	00 urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REM/	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTE	Depth 3 - 4357 7 - 0 - 4513 SIZE ATION No. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI land I Today I This Well Brand RIBUTOR	WEIGH	GPM 1886.0 -1886.0 -1886.0	PRES 2130 DE DO O O O O O O O O O O O O O O O O O	SSURE BOILER	TODAY WELL BOILEI BLOWI	51754 SPM 90 D. R # DOWN MES FI	F Line 6 6 6 THREA	3X18 Pump 2 er SP 90 AD FU	# JNTS	r SP	M Line	4057 Pump 4 Pump 4 Pump 1 IN HOLE	Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 Inufactu A	00 urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REM/	ARKS	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTE	Depth 3 - 4357 7 - 0 - 4513 SIZE ATION No. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI land I Today I This Well Brand RIBUTOR	WEIGH	GPM 1886.0 -1886.0 -1887	PRES 2130 DE DO O O O O O O O O O O O O O O O O O	SSURE BOILER	TODAY WELL BOILEI BLOWI	51754 SPM 90 D. R # DOWN MES FI	F Line 6 6 6 THREA	3X18 Pump 2 Pump 2 Pump 3 Pump 4 Pump 5 Pump 5 Pump 6 Pump 7 Pump	# JNTS # JNTS TOTAL DOTAGE	r SP	M Line	4057 Pump 4 Pump 4 Pump 1 IN HOLE	Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 Inufactu A	00 urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	G REM/	ARKS	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTE	Depth 3 - 4357 7 - 0 - 4513 SIZE ATION No. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI land I Today I This Well Brand RIBUTOR	WEIGH	GPM 1886.0 -1886.0 -1887	PRES 2130 DE DO O O O O O O O O O O O O O O O O O	SSURE BOILER	TODAY WELL BOILEI BLOWI	51754 SPM 90 D. R # DOWN MES FI	F Line 6 6 6 THREA	3X18 Pump 2 Pump 2 Pump 3 Pump 4 Pump 5 Pump 5 Pump 6 Pump 7 Pump	# JNTS # JNTS TOTAL DOTAGE	r SP	M Line	4057 Pump 4 Pump 4 Pump 1 IN HOLE	Pump Pump SSEME	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN SEPAIRS	N/A N/A O.D.	0.0 0.0 I.D.	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIATH	ARKS	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTE	Depth 3 - 4357 7 - 0 - 4513 SIZE ATION No. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI land I Today I This Well Brand RIBUTOR	WEIGH	GPM 1886.0 -1886.0 -1887	PRES 2130 DE DO O O O O O O O O O O O O O O O O O	SSURE BOILER	TODAY WELL BOILEI BLOWI	51754 SPM 90 D. R # DOWN MES FI	F Line 6 6 6 THREA	3X18 Pump 2 Pump 2 Pump 3 Pump 4 Pump 5 Pump 5 Pump 6 Pump 7 Pump	# JNTS # JNTS TOTAL DOTAGE	NO. 1 47 2	M Line	IN HOLE	Pump Pump SSEME	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN SEPAIRS	O.D.	I.D.	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIATH	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTE	Depth 3 - 4357 7 - 0 - 4513 SIZE ATION No. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI land I Today I This Well Brand RIBUTOR	WEIGH	GPM 1886.0 -1886.0 -1887	PRES 2130 DE DO O O O O O O O O O O O O O O O O O	SSURE BOILER	TODAY WELL BOILEI BLOWI	51754 SPM 90 D. R # DOWN MES FI	F Line 6 6 6 THREA	3X18 Pump 2 Pump 2 Pump 3 Pump 4 Pump 5 Pump 5 Pump 6 Pump 7 Pump	# JNTS # JNTS TOTAL DOTAGE	NO. 1 47 2 KELL TOTA	LENGTH DI LOCATION DI LOCA	IN HOLE	Pump Pump SSEME	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN SEPAIRS	N/A N/A O.D.	0.0 0.0 I.D.	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIATH	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTI	Depth 3 - 4357 7 - 9 - 4513 SIZE ATION No. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI Idand I Today I This Well Brand RIBUTOR ERIAL #	WEIGH DAY	GPM 1886.1 -861.0 -1886.2 DESCRIP	PRES 2130 DE DO O O O O O O O O O O O O O O O O O	SSURE BOILER	TODAY WELL BOILEI BLOWI	51754 SPM 90 D. R # DOWN MES FI	F Line 6 6 6 THREA	3X18 Pump 2 Pump 2 Pump 3 Pump 4 Pump 5 Pump 5 Pump 6 Pump 7 Pump	# JNTS # JNTS TOTAL DOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	Pump 4 Pr SPM IN HOLE DRILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN SEPAIRS	N/A N/A O.D.	I.D. 4466	LENG	O O O O O O O O O O O O O O O O O O O	DEP	DEVIA TH	ATION	SURV	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTE	Depth 3 - 4357 7 - 9 - 4513 SIZE ATION Io. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI Iand I Today I This Well Brand RIBUTOR ERIAL #	WEIGH BE DAY AL OF I	GPM IT GRA 1886.0 -1886.0 -1886.0 DESCRIP	PRES 2130 DE DE DE DE DE DE DE DE	SSURE BOILER	TODAY WELL BOILEI BLOWI	51754 SPM 90 D. R # DOWN MES FI	F Line 6 6 6 THREA	3X18 Pump 2 Pump 2 Pump 3 Pump 4 Pump 5 Pump 5 Pump 6 Pump 7 Pump	# JNTS # JNTS TOTAL DOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	Pump 4 Pr SPM IN HOLE DRILLING A	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN SEPAIRS	O.D. ANDS IGLES	0.0 0.0 Inufactual A A A A A A A A A A	LENG 3.42 0.92	DD D	DEP DEP CODE	DEVIA TH	ATION	I SURV	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTE	Depth 3 - 4357 7 - 9 - 4513 SIZE ATION Io. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI Iand I Today I This Well Brand RIBUTOR ERIAL #	WEIGH BE DAY AL OF I	GPM 1886.1 -861.0 -1886.2 DESCRIP	PRES 2130 DE DE DE DE DE DE DE DE	SSURE BOILER	TODAY WELL BOILEI BLOWI	51754 SPM 90 D. R # DOWN MES FI	F Line 6 6 6 THREA	3X18 Pump 2 Pump 2 Pump 3 Pump 4 Pump 5 Pump 5 Pump 6 Pump 7 Pump	# JNTS # JNTS TOTAL DOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	Pump 4 Pr SPM IN HOLE DRILLING A	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN SEPAIRS	O.D. ANDS IGLES	0.0 0.0 Inufactual A A A A A A A A A A	LENG	DD	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIA	ATION	I SURV	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTE	Depth 3 - 4357 7 - 9 - 4513 SIZE ATION Io. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI Iand I Today I This Well Brand RIBUTOR ERIAL #	WEIGH BE DAY AL OF I	GPM IT GRA 1886.0 -1886.0 -1886.0 DESCRIP	PRES 2130 DE DE DE DE DE DE DE DE	SSURE BOILER	TODAY WELL BOILEI BLOWI	51754 SPM 90 D. R # DOWN MES FI	F Line 6 6 6 THREA	3X18 Pump 2 Pump 2 Pump 3 Pump 4 Pump 5 Pump 5 Pump 6 Pump 7 Pump	# JNTS # JNTS TOTAL DOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	Pump 4 Pr SPM IN HOLE DRILLING A	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN SEPAIRS	N/A	0.0 0.0 1.D. 1.	LENG 3.42 0.92	DD DD	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIA TH	ATION	ONS TO	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTE	Depth 3 - 4357 7 - 9 - 4513 SIZE ATION Io. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI Iand I Today I This Well Brand RIBUTOR ERIAL #	WEIGH BE DAY AL OF I	GPM IT GRA 1886.0 -1886.0 -1886.0 DESCRIP	PRES 2130 DE DE DE DE DE DE DE DE	SSURE BOILER	TODAY WELL BOILEI BLOWI	51754 SPM 90 D. R # DOWN MES FI	F Line 6 6 6 THREA	3X18 Pump 2 Pump 2 Pump 3 Pump 4 Pump 5 Pump 5 Pump 6 Pump 7 Pump	# JNTS # JNTS TOTAL DOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	Pump 4 Pr SPM IN HOLE DRILLING A	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN SEPAIRS	N/A	0.0 0.0 1.D. 1.	LENG 3.42 0.92 0.92	DD DD	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIA TH	ATION	ONS TO	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTE	Depth 3 - 4357 7 - 9 - 4513 SIZE ATION Io. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI Iand I Today I This Well Brand RIBUTOR ERIAL #	WEIGH BE DAY AL OF I	GPM IT GRA 1886.0 -1886.0 -1886.0 DESCRIP	PRES 2130 DE DE DE DE DE DE DE DE	SSURE BOILER	TODAY WELL BOILEI BLOWI	51754 SPM 90 D. R # DOWN MES FI	F Line 6 6 6 THREA	3X18 Pump 2 Pump 2 Pump 3 Pump 4 Pump 5 Pump 5 Pump 6 Pump 7 Pump	# JNTS # JNTS TOTAL DOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	Pump 4 Pr SPM IN HOLE DRILLING A	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN SEPAIRS	N/A	0.0 0.0 1.D. 1.	LENG 3.42 0.92 0.92	DD DD	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIA TH	ATION	ONS TO	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4283 4357 4460 S LOCA Co. N HRS 1 HRS 0 HRS 1 Used Used Fuel DISTE	Depth 3 - 4357 7 - 9 - 4513 SIZE ATION Io. TODAY ON WELL LAST CHGI RAGE KVA VERED TOI Iand I Today I This Well Brand RIBUTOR ERIAL #	WEIGH BE DAY AL OF I	GPM IT GRA 1886.0 -1886.0 -1886.0 DESCRIP	PRES 2130 DE DE DE DE DE DE DE DE	SSURE BOILER	TODAY WELL BOILEI BLOWI	51754 SPM 90 D. R # DOWN MES FI	F Line 6 6 6 THREA	3X18 Pump 2 Pump 2 Pump 3 Pump 4 Pump 5 Pump 5 Pump 6 Pump 7 Pump	# JNTS # JNTS TOTAL DOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	Pump 4 Pr SPM IN HOLE DRILLING A	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4 N RACK	9 9	9IN 9IN SEPAIRS	O.D. ANDS IGLES FR 4283 4357	0.0 0.0 1.D. 1.	LENG 3.42 0.92 0.92	DD	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIA TH	ATION	ONS TO	EYS

WE Al	LLNAI DM V	Verification	on Well #	<u>1</u>		, LL	_C			COUN	L DESCRIPT	ION	NG F	REPOR	RT	DATE 20101	SPUD 09-2 JOB S	RIG N 15 DATE / TI 3-10 1	ME 2:30	3 TYPE	DA' 21	B NO. YS FR SP YS ON JO		PRO	L TYPE	TD
RIG	MAN 6	(ARCHER NAGER	DANIEL	MIDLA		G PH	ONE N	UMBER		Mac	ON ATORS REP	RESENT	ATIVE	со	. MAN F	IL PH NO.		5-10 1 ASE DATE				ATHER				
		OOD TIONS @ REPO	ORT TIME		61	18-9	43-00	053		PTI	HUGHES	R				OPERA	TIONS NEX	Γ 24 HRS			CL	.OUDY/	/46DE	G		
C	OREI I acc	CIDENTS OR	NEAR MIS	SES:								1	# OF JS/	\'s RIG	SAFET	TRIPE	PING / CO	DREING		COORDII	NATES	<u> </u>	BOP T	EST DATI	F / PRFS	SURF
⊥	ION												3 # STOP C	22		ING DATE			N 39.8	796 W	-88.8	8934	9/27/1	10/1100)/250 F	PSIG
SAFE	COF	REING/ T	RIPPING	PECTION B	V / TITI F			CREW	M / II		EXTRA C	PEWS /			4AT7		OFFICE N	OTIFIED	YES	URS PAS				RILL DA		
S													******						104.00		71 24					_
S	452	RRENT DEPTH 24	1 FOOTA	GE LAST 2	4 PEN. RA 0.0	ATE	RC	OT. HRS	N	IAX. GAS	BCKGF	RGAS	CONN. G	AS TRIP G	AS	13 3/8	SING SIZE &	SET DEPT 350	H	H				& R		RENTAL
OPS	ноон 109	KLOAD		CKUP WEIG	SHT	SL. 109	ACKOF 9	F		ROTATIN 109	G	RC	TARY TOP	RQUE		NEXT CAS	SING SIZE &	SET DEPT	Н		DAILY					
	Time 0500		Vt IN / OU	Funnel 64	Vis PV		YLD P ⁻ 20	T 10 S	GEL 10		Fl. Loss 6.4	FILT CH	HTHP	FL HTTP I		TODAY	FUEL ADDI	D TO MUI			AVER	AGE	0.00		0.00)
MUD	Mud	I Type		6 SOLIDS				OIL %	6 H2O	рН		PF	CALCIUN		S	DAILY 37	MUD C				CUMU	LATIVE	0.00		0.00)
Σ	CENT	NTRIFUGES	[1	0			R TYP		3	10.5	<u>l</u>		REENS	3400		CHANGED)	WATER	SOURCE			LATIVE	21.0		21.0	
	FRC	OM TO	HRS	CODE	N	AH	ONAL				DETAILS		10 RATIONS	IN SEQUENCI	<u> </u>	2625.0	U	HYD			DAYS	TIME BRE				y / Well)
	700		0.25	-	safety m				IDOLII	ATE												1: RIG UF		/N	` '	0.5
	715 830		1.25 4.25		<u>CONDIT</u> TRIP OL																	2: DRILLI 3: REAMI				21.25
	124		1.0		PICK UF																11-	4: CORIN 5: COND.			13.25 2.25	43.25 26.25
	134 150		1.25 0.25		TRIP IN SAFE5T				ORE	BARKI	ELL											6: TRIPS 7: LUBRI			7.75	74.75
	151: 173:		2.25 1.0								TO 4513	ΔIP Ω	N DI INA	PS 30 MIN								8: REPAI	IR RIG			20.0
	183	30 2300	4.5	4	CORED							AIR U	14 L. O.IAII	U SU IVIIIN								9: C/O DF 10: DEVI	ATION			9.0
90	230 231				SAFETY CORING			IG														11: WIRE 12: RUN				2.0 3.75
<u> </u>	013	30 230	1.0	4	CORING	S LC)ST 1															13: WAIT				8.5 17.5
TIME	230 030				CORING CORING		OST 1	18 BB	<u>BL @ 0</u>	300HF	RS 4532F	T										15: TEST 16: DRILL	ВОР			5.75
		J. 30																			_	17: PLUG	BACK			
																						18: SQUE 19: FISHI	ING	MNT		
																						20: DIR. \	WORK	C).75	9.75
																										8.25 0.5
																						OTHER				6.75
	Ri	BIT# SI	7E	TYPE	M	AKE		l gr	ERIAL#		NOZZ	71 FS		IN @		JT @	DRILLED	HRS	: (CUM. HRS		Total He		DITION	24.0	465.5 R O P
	5	12 1/		244CDX				5175	439	3X18	1			4057		J. E	DIVILLED	1 11 10	0.00)			CONE	<u> </u>		RO1
ည		40.4							400	01/40				4057					0.00							
BITS	5	12 1/		C44CDX				5175	439	3X18	!			4057					0.00)						
BITS			VG(244CDX	НТС		Pui	51754 mp 1				ump 3	l F			TYPI	E I STRO	KE Ma	0.00)	RS T	otal HRS	MAX	PSI Kill	PR K	(ILL (SPM)
	5	Depth	VG(C44CDX			Liner	mp 1	/ Lin	Pump 2				ump 4		1 Q-Z9	9IN	N/A	0.00 0.00 nufactur)	0.	00	MAX	PSI S	PR Rate K	CILL (SPM)
PUMPS BITS	5	Depth 3 - 4524	VGC	GPM	HTC PRESSURE	6	Liner	mp 1	1 Lin 6 6	Pump 2	Pı			ump 4	Pump	1 Q-Z9 2 Q-Z9 3			0.00 0.00 nufactur)	0. 0. 0.	00 00 00	MAX	PSI S	PR Rate K	(ILL (SPM)
PUMPS	4513 4524	Depth 3 - 4524	VG(GPM	HTC PRESSURE	6	Liner	mp 1 SPN 81	A Lin	Pump 2 er Si	Pı	r SP		ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3	9IN	N/A	0.00 0.00 nufactur)	0. 0. 0.	00 00			PR Rate K	(ILL (SPM)
PUMPS	4513 4524	Depth 3 - 4524	25	GPM 6 55	PRESSURE	6	Liner	mp 1 SPN 81	1 Lin 6 6	Pump 2 er Si	Pu Line	r SP	VI Line	Pump 4 Per SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3	9IN 9IN	N/A	0.00 0.00 nufactur)	0. 0. 0.	00 00 00 00			PR Rate K	SILL (SPM)
STRG PUMPS	4513 4524	Depth 3 - 4524	25	GPM 6 55	PRESSURE	6	Liner	mp 1 SPN 81	1 Lin 6 6	Pump 2 er Si	Pu Line	r SP	VI Line	Pump 4 Per SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3	9IN 9IN	N/A	0.00 0.00 nufactur)	0. 0. 0.	00 00 00 00			PR Rate K	CILL (SPM)
STRG PUMPS	4513 4524	Depth 3 - 4524 24 -	25	GPM 6 55	PRESSURE	6	Liner	mp 1 SPN 81	1 Lin 6 6	Pump 2 er Si	Pu Line	r SP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A	0.00 0.00 nufactur)	0. 0. 0.	00 00 00 00 L STRING	G REMAI	RKS		
DRLLSTRG PUMPS	4513 4524	Depth 3 - 4524 24 - SIZE	25	GPM 6 55	PRESSURE	6	Liner	mp 1 SPN 81	1 Lin 6 6	Pump 2 er Si	Pu Line	r SP	M Line	Pump 4 Per SPM	Pump Pump O	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A	0.00 0.00 nufactur)	0. 0. 0. DRILL	00 00 00 00 L STRING	B REMAI	RKS	SURVI	EYS
DRLLSTRG PUMPS	4513 4524 LOC/ Co. N	Depth 3 - 4524 24 - SIZE CATION No. S TODAY	25	GPM 6 55	PRESSURE	6	Liner	mp 1 SPN 81	1 Lin 6 6	Pump 2 er Si	Pu Line	r SPP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0. 0. 0. DRILL	00 00 00 00 L STRING	B REMAI	RKS	SURVI	
STRG PUMPS	4513 4524 LOCA Co. N HRS	Depth 3 - 4524 24 - SIZE CATION No.	25 WEIGHT	GPM 6 55	PRESSURE	6	Liner	mp 1 SPN 81	1 Lin 6 6	Pump 2 er Si	Pu Line	r SPP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0. 0. 0. DRILL	00 00 00 00 L STRING	B REMAI	RKS	SURVI	EYS
DRLLSTRG PUMPS	4513 4524 LOCA Co. N HRS HRS AVER	Depth 3 - 4524 24 - SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA	25 WEIGHT	GPM 6 55	PRESSURE	6	Liner	mp 1 SPN 81 D.	M Lin 6 6 6 THRE	Pump 2 er Si	PI Line	r SPP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0. 0. 0. DRILL	00 00 00 00 L STRING	B REMAI	RKS	SURVI	EYS
. ENGINES DRLLSTRG PUMPS	4513 4524 LOCA Co. N HRS HRS AVER	Depth 3 - 4524 24 - SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand	25 WEIGHT	GPM 6 55	PRESSURE	66666	Liner	mp 1 SPN 81 D.	1 Lin 6 6	Pump 2 er Si	Pu Line	r SPP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0. 0. 0. DRILL	00 00 00 00 L STRING	B REMAI	RKS	SURVI	EYS
. ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER DELI On H	Depth 3 - 4524 24 - SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA	25 WEIGHT	GPM 6 53 GRADE 1312.00 574.00	PRESSURE	## 1	TODAY WELL	mp 1 SPN 81	M Lin 6 6 6 THRE	Pump 2 er Si	PI Line	r SPP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0. 0. 0. DRILL	00 00 00 00 L STRING	B REMAI	RKS	SURVI	EYS
DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER On H Used Used Fuel	Depth 3 - 4524 24 - SIZE CATION NO. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand	25 WEIGHT	GPM 6 53 GRADE 1312.00	PRESSURE BY I.D.	BOILER	TODAY WELL BOILER BLOWD	mp 1 SPN 81 D.	M Lin 6 6 6 THRE	Pump 2 er Si	PI Line	r SPP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0. 0. 0. DRILL	00 00 00 00 L STRING	B REMAI	RKS	SURVI	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER DELI On H Used Used Fuel DIST	Depth 3 - 4524 24 - SIZE CATION No. S TODAY S ON WELL CHART CHGE ERAGE KVA LIVERED TOD Hand ded Today ded This Well del Brand ETRIBUTOR	25 WEIGHT	GPM 6 5: GRADE 1312.00 574.00 -1312.00	PRESSURE BY I.D.	BOILER	TODAY WELL BOILER	mp 1 SPN 81 D.	M Lin 6 6 6 THRE	Pump 2 er SI	PI Line	r SPP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0. 0. 0. DRILL	00 00 00 00 L STRING	B REMAI	RKS	SURVI	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER DELI On H Used Used Fuel DIST	Depth 3 - 4524 24 - SIZE CATION NO. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand	25 WEIGHT	GPM 6 53 53 GRADE 1312.00 574.00 -1312.00	PRESSURE B9 I.D.	BOILER	TODAY WELL BOILER BLOWD	mp 1 SPN 81 D.	HOURS	Pump 2 er SI	# JNTS	r SPP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0. 0. 0. DRILL	00 00 00 00 L STRING	B REMAI	RKS	SURVI	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER DELI On H Used Used Fuel DIST	Depth 3 - 4524 24 - SIZE CATION No. S TODAY S ON WELL CHART CHGE ERAGE KVA LIVERED TOD Hand ded Today ded This Well del Brand ETRIBUTOR	25 WEIGHT	GPM 6 53 53 GRADE 1312.00 574.00 -1312.00	PRESSURE B9 I.D.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPN 81 D.	HOURS	Pump 2 er SI	# JNTS	r SPP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0. 0. 0. DRILL	00 00 00 00 L STRING	B REMAI	RKS	SURVI	EYS
. ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER DELI On H Used Used Fuel DIST	Depth 3 - 4524 24 - SIZE CATION No. S TODAY S ON WELL CHART CHGE ERAGE KVA LIVERED TOD Hand ded Today ded This Well del Brand ETRIBUTOR	Z5 WEIGHT AY HRS LA 24	GPM 6 53 53 GRADE 1312.00 574.00 -1312.00	PRESSURE B9 I.D. OTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPN 81 D. R # DOWN IES	HOURS	Pump 2 er SI	# JNTS	r SPP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0. 0. 0. DRILL	00 00 00 00 L STRING	B REMAI	RKS	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER DELI On H Used Used Fuel DIST	Depth 3 - 4524 24 - SIZE CATION No. S TODAY S ON WELL CHART CHGE ERAGE KVA LIVERED TOD Hand ded Today ded This Well del Brand ETRIBUTOR	Z5 WEIGHT AY HRS LA 24	GPM 6 53 53 GRADE 1312.00 574.00 -1312.00	PRESSURE B9 I.D. OTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPN 81 D. R # DOWN IES	HOURS	Pump 2 er SI AD FI GE 4	# JNTS # JNTS JEL USED TOTAL FOOTAGE	r SPP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump O	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0. 0. 0. DRILL	00 00 00 00 L STRING	B REMAI	RKS	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER DELI On H Used Used Fuel DIST	Depth 3 - 4524 24 - SIZE CATION No. S TODAY S ON WELL CHART CHGE ERAGE KVA LIVERED TOD Hand ded Today ded This Well del Brand ETRIBUTOR	Z5 WEIGHT AY HRS LA 24	GPM 6 53 53 GRADE 1312.00 574.00 -1312.00	PRESSURE B9 I.D. OTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPN 81 D. R # DOWN IES	HOURS	Pump 2 er SI AD FI GE 4	# JNTS # JNTS JEL USED TOTAL FOOTAGE	r SPP	M Line	Pump 4 Per SPM IN HOLE	Pump Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	I.D. 4466.	LENGT	0. 0. 0. DRILL	00 00 00 00 L STRING	DEVIATH	RKS	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER DELI On H Used Used Fuel DIST	Depth 3 - 4524 24 - SIZE CATION No. S TODAY S ON WELL CHART CHGE ERAGE KVA LIVERED TOD Hand ded Today ded This Well del Brand ETRIBUTOR	Z5 WEIGHT AY HRS LA 24	GPM 6 53 53 GRADE 1312.00 574.00 -1312.00	PRESSURE B9 I.D. OTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPN 81 D. R # DOWN IES	HOURS	Pump 2 er SI AD FI GE 4	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. 1 47 2	M Line	Pump 4 er SPM IN HOLE	Pump Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	O.D.	I.D.	LENGT	0. 0. 0. DRILL	00 00 00 00 L STRING	DEVIATH	TION S	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER DELI On H Used Used Fuel DIST	Depth 3 - 4524 24 - SIZE CATION No. S TODAY S ON WELL CHART CHGE ERAGE KVA LIVERED TOD Hand ded Today ded This Well del Brand ETRIBUTOR	Z5 WEIGHT AY HRS LA 24	GPM 6 53 53 GRADE 1312.00 574.00 -1312.00	PRESSURE B9 I.D. OTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPN 81 D. R # DOWN IES	HOURS	Pump 2 er SI AD FI GE 4	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. 1	ENGTH DI V DOWN	Pump 4 er SPM IN HOLE	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	I.D. 4466.	LENGT	0. 0. 0. DRILL	00 00 00 00 L STRING	DEVIATH	TION S	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI Used Used Fuel DIST	Depth 3 - 4524 24 - SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand TRIBUTOR SERIAL #	VGC 25 WEIGHT AY D	GPM 6 53 GRADE 1312.00 -1312.00 -1312.00 ST T	PRESSURE B9 I.D. OTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPN 81 D. R # DOWN IES	HOURS	Pump 2 er SI AD FI GE 4	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. 1 47 2 KELL TOTA WT of	ENGTH Property Down	Pump 4 er SPM IN HOLE	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	I.D. 4466.463.50	LENGT	TH	DEPT	DEVIA TH DI	RKS	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI Used Used Fuel DIST	Depth 3 - 4524 24 - SIZE CATION No. S TODAY S ON WELL CHART CHGE ERAGE KVA LIVERED TOD Hand ded Today ded This Well del Brand ETRIBUTOR	VGC 25 WEIGHT AY D	GPM 6 53 GRADE 1312.00 -1312.00 -1312.00 ST T	PRESSURE B9 I.D. OTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPN 81 D. R # DOWN IES	HOURS	Pump 2 er SI AD FI GE 4	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. 1 47 2 KELL TOTA WT of	ENGTH Property Down	Pump 4 Per SPM IN HOLE DRILL ING AS	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A N/A	I.D. 4466. 63.50 4529.9	LENGT	TH	00 00 00 00 L STRING	DEVIA TH DI	RKS	SURVI	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER Used Fuel DIST S	Depth 3 - 4524 24 - SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand TRIBUTOR SERIAL #	L OF FUE	GPM 6 53 GRADE 1312.00 -1312.00 -1312.00 ST T	PRESSURE B9 I.D. OTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPN 81 D. R # DOWN IES	HOURS	Pump 2 er SI AD FI GE 4	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. 1 47 2 KELL TOTA WT of	ENGTH Property Down	Pump 4 Per SPM IN HOLE DRILL ING AS	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A	I.D. 4466.463.50	LENGT	TH	DEPT	DEVIA TH DI	TION S INCL	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER Used Fuel DIST S	Depth 3 - 4524 24 - SIZE CATION No. 5 TODAY 5 ON WELL 6 LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand TRIBUTOR SERIAL #	L OF FUE	GPM 6 53 GRADE 1312.00 -1312.00 -1312.00 ST T	PRESSURE B9 I.D. OTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPN 81 D. R # DOWN IES	HOURS	Pump 2 er SI AD FI GE 4	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. 1 47 2 KELL TOTA WT of	ENGTH Property Down	Pump 4 Per SPM IN HOLE DRILL ING AS	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	O.D. ANDS IGLES	I.D. 4466.463.50	LENGT	DIE C	DEPT	DEVIA TH DI	TION S INCL	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER Used Fuel DIST S	Depth 3 - 4524 24 - SIZE CATION No. 5 TODAY 5 ON WELL 6 LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand TRIBUTOR SERIAL #	L OF FUE	GPM 6 53 GRADE 1312.00 -1312.00 -1312.00 ST T	PRESSURE B9 I.D. OTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPN 81 D. R # DOWN IES	HOURS	Pump 2 er SI AD FI GE 4	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. 1 47 2 KELL TOTA WT of	ENGTH Property Down	Pump 4 Per SPM IN HOLE DRILL ING AS	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A	I.D. 4466.463.50	LENGT	DIE C	DEPT	DEVIA TH DI	TION S INCL	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER Used Fuel DIST S	Depth 3 - 4524 24 - SIZE CATION No. 5 TODAY 5 ON WELL 6 LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand TRIBUTOR SERIAL #	L OF FUE	GPM 6 53 GRADE 1312.00 -1312.00 -1312.00 ST T	PRESSURE B9 I.D. OTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPN 81 D. R # DOWN IES	HOURS	Pump 2 er SI AD FI GE 4	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. 1 47 2 KELL TOTA WT of	ENGTH Property Down	Pump 4 Per SPM IN HOLE DRILL ING AS	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A	I.D. 4466.463.50	LENGT	DIE C	DEPT	DEVIA TH DI	TION S INCL	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVER Used Fuel DIST S	Depth 3 - 4524 24 - SIZE CATION No. 5 TODAY 5 ON WELL 6 LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand TRIBUTOR SERIAL #	L OF FUE	GPM 6 53 GRADE 1312.00 -1312.00 -1312.00 ST T	PRESSURE B9 I.D. OTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPN 81 D. R # DOWN IES	HOURS	Pump 2 er SI AD FI GE 4	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. 1 47 2 KELL TOTA WT of	ENGTH Property Down	Pump 4 Per SPM IN HOLE DRILL ING AS	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 NRACK	9IN 9IN REPAIRS	N/A	I.D. 4466.463.50	LENGT	DIE C	DEPT	DEVIA TH DI	TION S INCL	SURVI	EYS

Р	IO	NEEF	R OIL	_FIEL	D SEF	RVICES	S. LI	LC				MO	RNI	NG R	EPOF	?T	2010	1101	5	RIG N	.	3 TYPE	30	B NO.		WI	ELL TYPE	
WE	ELL	NAME M Verifi									LEGAL	DESCRIPT		110 1	<u> </u>	<u> </u>	2010	,101	SPUD D	ATE / TI			DA 22	AYS FR SI	PUD	PR	OJECTED	TD
ОР	PER	RATOR			L MIDLA	AND)					соинт	Y / PARISH	I				STATE	Ξ.	JOB ST	ART DAT 5-10 1	E		_	AYS ON J	ОВ	ES	ST. RELEA	SE
RIC	G M	MANAGER NOOD				R		ONE NUM			OPER#	TORS REP		TATIVE	СО	MAN P				SE DATE			WE	EATHER LOUDY	//46D	EG		
ОР	PER	RATIONS @	® REPOI	RT TIME													OPER TRIP	ATION PPING	IS NEXT :	24 HRS REING								
	Α	ACCIDENT NONE	S OR N	IEAR MIS	SES:									# OF JS#	's RIG	SAFETY			TY RATE		G.P.S.	coordi 796 W					TE / PRES	
FETY	Н	SAFETY M		TOPICS										# STOP C	ARDS LAS	T MEETI	ING DATE	.				-O-MATIC					ATE / TIMI	
SAI	_	AST INSP		INS	PECTION	BY / TITLE		C	CREW	M / U		EXTRA C	REWS /	WHY?				OF	FICE NO	TIFIED		URS PAS	ST 24		ВОР	DRILL D	ATE / TIMI	E
S		URRENT	DEPTH	FООТ.	AGE LAST	24 PEN. F	ATE	ROT	. HRS	M	AX. GAS	BCKGF	R GAS	CONN. G	AS TRIP G		LAST CA		SIZE & S	ET DEPT 350	Н					G CO		
OPS	н	100KLOAI 1 09)	P	ICKUP WE		SL 10	ACKOFF Q			07ATING	3	RC	TARY TOR	QUE		NEXT CA		SIZE & S		'H		DAIL	Y	5	S & R	R	RENTAL
	Ti	ime	Mud Wt	IN / OU		el Vis PV		YLD PT		GEL 10	M GEL I			K HTHP I	L HTTP I			FUE	L ADDE				AVER		0.00)	0.00	
MUD		lud Type	9.4		% SOLIDS	% LCM %		15 0 % OIL			рН		1/32 PF	CALCIUN		S	TODAY DAILY 3		MUD CO		79821.0			JLATIVE	0.00		0.00	
Σ		vater CENTRIFU	GES	[1	10			L ER TYPE ONAL	93	1	10.5	<u> </u>		80 REENS 10	3400		CHANGE 2625.	ED.			SOURCE		CUMU	JLATIVE	22.0		22.0	
		FROM	ТО	HRS	CODE							DETAILS			IN SEQUENC		2023.	00		1110				TIME BRI				y / Well)
				0.25 3.75	21 4	SAFET CORIN		EETING	3															1: RIG U 2: DRILL		WN		0.5 207.75
				3.25 0.75	6	TRIP O				ITH C	ORE												_ -	3: REAM			4.0 6.25	25.25 49.5
	1:	500 1	1515	0.25	21	SAFET	Y ME	EETING	3															5: COND			3.25 9.75	29.5 84.5
			1700 1915		6	LAY DO					TO 342	25												7: LUBR 8: REPA	ICATE I	RIG		20.0
	1	915 2	2000	0.75 0.5	5	CIRC. E	зот	гомѕ															1	9: C/O D 10: DEV	RILL LI	INE		9.0
	2	2030 2	2300	2.5	3	TRIP IN	TO 4	526															 -	11: WIRI	ELINE L	LOG		2.0 3.75
LOG			2315 2045	0.25 1.5	21 3	SAFET REAMI																		12: RUN 13: WAI	CON C	EMENT		8.5 17.5
TIME	0	0045)315)700	2.5	5	CONDI	TION	MUD	& CII		ATE F	OR COF	RE#6	LOST 2	OBBL MI	X LCN	/1						1	14: NIPF	ГВОР			5.75
	۲	315 ()	J.1 J	6	TRIP O	UIF	UK C	UKE !	# ************************************													1	16: DRIL 17: PLU	GBACK	(
	\vdash																							18: SQU 19: FISH	ING			
	F																						1	20: DIR.	WORK		0.75	10.5
	E																											8.25 0.5
	H																						-					
	F																							OTHER Total H			24.0	6.75 489.5
	Ę	BIT#	SIZI		TYPE C44CDX		IAKE		SEF 51754	RIAL#	3 18	NOZ	ZLES		IN @ 4057	OU	T @	DR	ILLED	HRS	0.00	CUM. HR				IDITION	Z -1.0	ROP
BITS	5 5		12 1/4		C44CDX	HTC			51754		3 18				4057						0.00)						
																						`						
	E																				0.00							
Sc		De	pth		GPM	PRESSUR	E -	Pum Liner	p 1 SPM	P	Pump 2		ump 3		ump 4	Pump	1 Q-Z9		STROK 9IN	E Ma	0.00 nufactur)		Total HRS	S MAX	X PSI K	SPR ill Rate K	(ILL (SPM)
OMPS	4:	De _l 538 - 45	44			PRESSUR	6	Liner	•							Pump	1 Q-Z9 2 Q-Z9)			0.00 nufactur)	0		6 MAX	K PSI K	SPR ill Rate	(ILL (SPM)
PUMPS	4	538 - 45 513 - 45 526 - 45	44 26 40	WEIGHT		650	6	Liner (SPM	6 6 6	er SP	M Line	r SP	M Line	er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4		9IN 9IN	N/A	0.00 nufactur)	0 0 0	0.00 0.00 0.00			SPR ill Rate K	(ILL (SPM)
	4	538 - 45 513 - 45	44 26 40	WEIGHT		650	6	Liner S	SPM	Line 6 6	er SP		r SP			Pump Pump Pump	1 Q-Z9 2 Q-Z9 3		9IN	N/A	0.00 nufactur)	0 0 0	0.00			SPR K	(ILL (SPM)
STRG	4	538 - 45 513 - 45 526 - 45	44 26 40	WEIGHT		650	6	Liner (SPM	6 6 6	er SP	M Line	r SP	M Line	er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4		9IN 9IN	N/A	0.00 nufactur)	0 0 0	0.00 0.00 0.00			SPR ill Rate	(ILL (SPM)
	4:	538 - 45 513 - 45 526 - 45 SIZE	44 26 40	WEIGHT		650	6	Liner (SPM	6 6 6	er SP	M Line	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A	0.00 nufactur)	0 0 0	0.00 0.00 0.00 0.00 L STRING	G REMA	ARKS		
DRLLSTRG	4.9	.538 - 45 .513 - 45 .526 - 45 SIZE .OCATION	44 26 40	WEIGHT		650	6	Liner (SPM	6 6 6	er SP	M Line	r SP	M Line	er SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A	0.00 nufactur)	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ARKS	SURV	
DRLLSTRG	4.9	.538 - 45 .513 - 45 .526 - 45 SIZE	44 26 40	WEIGHT		650	6	Liner (SPM	6 6 6	er SP	M Line	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	0.00	rer HR	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ARKS	SURV	EYS
STRG	4: 	.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W	44 26 40 Y ELL CHGE	WEIGHT		650	6	Liner (SPM	6 6 6	er SP	M Line	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	0.00	rer HR	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ARKS	SURV	EYS
DRLLSTRG	4: 	.0CATION Co. No.	44 26 40 Y ELL CHGE KVA			650	6	Liner (SPM 91	6 6 6	AD SP	M Line	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	0.00	rer HR	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG	L C H H A	.0CATION Co. No. HRS TODA HRS ON W HRS LAST	44 26 40 Y ELL CHGE KVA D TODA			650 E I.D.		TODAY	SPM 91	Line 6 6 6 THREA	AD SP	# JNTS	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	0.00	rer HR	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG	L C H H A	.0CATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand	Y ELL CHGE KVA D TODA		GRADI	650 E I.D.	SOILER	TODAY WELL BOILER #	SPM 91	Line 6 6 6 THREA	AD SP	# JNTS	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	0.00	rer HR	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ARKS	SURV	EYS
DRLLSTRG	4 ! Lu C C H H H C U U U F	LOCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda	44 26 40 Y ELL CHGE KVA D TODA	Y	2542.00 -1230.0 -2542.0	650 E I.D.	BOILER	TODAY WELL	SPM 91	Line 6 6 6 THREA	AD SP	# JNTS	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	0.00	rer HR	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG	44 	LOCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Branc	44 26 40 Y ELL CHGE KVA D TODA		2542.00 -1230.0 -2542.0	650 E I.D.	BOILER	TODAY WELL BOILER #	SPM 91	Line 6 6 6 THREA	AD FU	# JNTS	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	0.00	rer HR	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG	44 	.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Brand	44 26 40 Y ELL CHGE KVA D TODA	Y HRS L	2542.00 -1230.0 -2542.0	E I.D. 0 0 0 TOTAL	BOILER	TODAY WELL BOILER # BLOWDO VOLUME: CUM.	SPM 91	Line 6 6 7 HREA	AD FU	# JNTS	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	0.00	rer HR	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG	44 	.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Brand	44 26 40 Y ELL CHGE KVA D TODA	Y HRS L	2542.00 -1230.0 -2542.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER # BLOWDO VOLUME: CUM.	SPM 91	Line 6 6 7 HREA HOURS	AD FU	# JNTS	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	0.00	rer HR	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ARKS	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	44	.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Brand	44 26 40 Y ELL CHGE KVA D TODA	Y HRS L	2542.00 -1230.0 -2542.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER # BLOWDO VOLUME: CUM.	SPM 91	Line 6 6 7 HREA HOURS	FU	# JNTS # JNTS TOTAL OOTAGE	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	0.00	rer HR	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ARKS	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	4: C H H H A C C U U F C	.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Brand	44 26 40 Y ELL CHGE KVA D TODA	Y HRS L	2542.00 -1230.0 -2542.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER # BLOWDO VOLUME: CUM.	SPM 91	Line 6 6 7 HREA HOURS	FU	# JNTS # JNTS TOTAL OOTAGE	r SP	M Line	IN HOLE	Pump Pump ON SSEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	N/A N/A	I.D.	LENGT	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA TH	ARKS	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	4: C H H H A C C U U F C	.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Brand	44 26 40 Y ELL CHGE KVA D TODA	Y HRS L	2542.00 -1230.0 -2542.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER # BLOWDO VOLUME: CUM.	SPM 91	Line 6 6 7 HREA HOURS	FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 1 47 2 KELL	LENGTH DF	IN HOLE	Pump Pump ON SSEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	N/A N/A	I.D. 4466.	LENGT	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA TH	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	4: C H H H A C C U U F C	.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Brand	44 26 40 Y ELL CHGE KVA D TODA	Y HRS L	2542.00 -1230.0 -2542.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER # BLOWDO VOLUME: CUM.	SPM 91	Line 6 6 7 HREA HOURS	FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	N/A N/A	I.D. 4466.63.50	LENGT	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA TH	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	4: C H H H A C C U U F C	.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Brand	44 26 40 Y ELL CHGE KVA D TODA	Y HRS L	2542.00 -1230.0 -2542.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER # BLOWDO VOLUME: CUM.	SPM 91	Line 6 6 7 HREA HOURS	FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	N/A N/A	I.D. 4466.	LENGT	TH	0.00 0.00 0.00 0.00 L STRING	DEVIA TH	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG		.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Brand	44 26 40 Y ELL CHGE KVA D TODA	Y HRS L	2542.00 -1230.0 -2542.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER # BLOWDO VOLUME: CUM.	SPM 91	Line 6 6 7 HREA HOURS	FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	N/A N/A N/A O.D.	I.D. 4466.63.50	LENGT	DD	DEP DEP CODE	DEVIA	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG		.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Brand	44 26 40 Y ELL CHGE KVA D TODA	Y HRS L	2542.00 -1230.0 -2542.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER # BLOWDO VOLUME: CUM.	SPM 91	Line 6 6 7 HREA HOURS	FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	N/A N/A N/A O.D.	I.D. 4466.63.50	LENGT	TH C	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIA	ATION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG		.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Brand	44 26 40 Y ELL CHGE KVA D TODA	Y HRS L	2542.00 -1230.0 -2542.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER # BLOWDO VOLUME: CUM.	SPM 91	Line 6 6 7 HREA HOURS	FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	N/A N/A N/A O.D.	I.D. 4466. 63.50 4529.9	LENGT 42 70 75 75 75 75 75 75 75 75 75	D C C	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIATH DRILL R	ATION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG		.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Brand	44 26 40 Y ELL CHGE KVA D TODA	Y HRS L	2542.00 -1230.0 -2542.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER # BLOWDO VOLUME: CUM.	SPM 91	Line 6 6 7 HREA HOURS	FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	N/A N/A N/A N/A O.D. O.D. SLES 4538 4513	I.D. 4466. 63.50 4529.9	LENG1	TH C	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIATH DRILL R	ATION	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG		.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Brand	44 26 40 Y ELL CHGE KVA D TODA	Y HRS L	2542.00 -1230.0 -2542.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER # BLOWDO VOLUME: CUM.	SPM 91	Line 6 6 7 HREA HOURS	FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	N/A N/A N/A N/A O.D. O.D. SLES 4538 4513	I.D. 4466. 63.50 4529.9	LENG1	TH C	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIATH DRILL R	ATION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG		.538 - 45 .513 - 45 .526 - 45 .SIZE .OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This Fuel Brand	44 26 40 Y ELL CHGE KVA D TODA	Y HRS L	2542.00 -1230.0 -2542.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER # BLOWDO VOLUME: CUM.	SPM 91	Line 6 6 7 HREA HOURS	FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 47 2 KELL TOTA WT 0	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	N/A N/A N/A N/A O.D. O.D. SLES 4538 4513	I.D. 4466. 63.50 4529.9	LENG1	TH C	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIATH DRILL R	ATION	SURVI	EYS

WE AI	IONEER OI LLNAME DM Verificatio ERATOR	n Well #1	I		, LL	_C		Co	GAL D	ESCRIPTI		NG F	REPC	RT	STA	10101	SPUD D 09-23	-10 1:	ие 2:30 Е	В ТҮРЕ	D/ 23	AYS ON JO		PRO	L TYPE JECTED . RELEA	
RIG	OM (ARCHER MANAGER WOOD	DANIEL	MIDLA	RIC		ONE NUN		O		ORS REPR GHESI		TATIVE		CO. MAN	PH NO.		09-15					EATHER LOUDY	//CDE/			
OPI	ERATIONS @ REPO O.C	ORT TIME		01	10-94	43-003	55		71 110	ВПЕЗІ	K					RATION ping	NS NEXT 2	4 HRS				LOUDT	/46DEC	•		
	ACCIDENTS OR none	NEAR MISSE	ES:									# OF JS		RIG SAFE	TY DAYS		ETY RATE		G.P.S. N 39. 8	COORD 8796 W	INATE	s .8934	BOP TES 9/27/10			
(FET)	SAFETY MEETING tripping	3 TOPICS										# STOP		AST MEI /24AT	TING DA 700	TE			CROWI	N-O-MATI	С СНІ	ECKED	BOP DRI	LL DA	TE / TIME	Ē
SAI	LAST INSPECTION	N INSPE	ECTION E	BY / TITLE		C	CREW M/	U	ı	EXTRA C	REWS /	WHY?	·			OF	FFICE NO		MANHO 104.0	OURS PAS	ST 24		BOP DRI	LL DA	TE / TIME	<u> </u>
OPS	CURRENT DEPTH 4558	FOOTAG 18	SE LAST 2	PEN. RA 0.0	TE	ROT.	. HRS	MAX.	GAS	BCKGR	GAS	CONN. (SAS TRII	GAS	13 3/		SIZE & SI	T DEPTI 350	Н				RIG s &			ENTAL
Ö	HOOKLOAD 109	109			109			109			R	OTARY TO	RQUE		NEXT	CASING	SIZE & SI	ET DEPT	Н		DAIL	Υ				
							10 S GEL					K HTHP		P FC	TODAY			сим. 0			AVE	RAGE	0.00		0.00)
MUD	Mud Type water	10		% LCM % s			% H2C	pH 10.		MF P	PF	80	M CHLOF 3400	IDES		5196		CUM. 8				ULATIVE	0.00		0.00)
	CENTRIFUGES	L upo L	oope I			R TYPE DNAL					2	PREENS			2625			WATER :	SOURCE		DAYS		23.0		23.0	
	700 715	0.25 2		safety m						<u>DETAILS</u>	OF OPI	ERATIONS	IN SEQUE	NCE								1: RIG U			(Today	0.5
	715 815 815 1130			RIG SER			ARRELI	L AND	TRIF	N HO	LE											2: DRILL 3: REAM	ING			207.75 25.25
	1130 1145 1145 1500			KELLY U					JLATI	ON AT	4553)										4: CORIN		2	2.25	54.5 31.75
	<u> </u>	0.25 2	21	SAFETY	ME	ETING	3														-	6: TRIPS 7: LUBRI	CATE RIG		11.5	96.0
	1600 1945	3.75	6	T. O H																		8: REPAI 9: C/O DI	RILL LINE		1.0	21.0
	2130 2145	0.25 1	10	LAY DO	ON	SURV	ΈY														<u></u> :	10: DEVI	LINE LO	3).25	9.25 2.0 5.0
FOG	2145 2230 2230 2300			TIHW/ PICK UF			S AND I	PUMP	600 \$	STROK	ES.	NO RE	TURNS								 	12: RUN 13: WAIT	ON CEM	ENT 2		10.5 17.5
TIME	2300 2315 2315 0215	1 1	21	SAFETY TRIP IN				INTS													-	14: NIPP	ВОР			5.75
	0215 0330	1.25 5	5	PUMP D	OW	N LCN	M PILL			NT 470	01/0											16: DRILI 17: PLUG 18: SQUI	BACK			
	t	0.25	6	TRIP OL	JT 10	0 STA	NDS (I	MUD C	N PI	PE ONE			ID TWO	JOINT	S OUT)						19: FISH 20: DIR.	ING	IN I		
	0500 0700 0700	2.0 1 0.0	13	CIRCUL	ATE	10 BE	BL+ WA	IT ON	CEM	ENT												20: DIK.	WORK	C).75	11.25 8.25
																										0.5
																						OTUED				C 75
		<u> </u>																				OTHER Total H		2).0 24.0	6.75 513.5
တ	BIT# SIZ 5 12 1/4		YPE 4CDX	HTC	KE	5	SERIAI 5175431		18	NOZZ	LES		IN @	454	OUT @ 2	485.0	RILLED 00	HRS	0.0		RS		CONDI	TION		ROP
BITS																			0.0	0						
	Depth	G	SPM	PRESSURE		Pum	p 1	Pum	p 2	Pu	ımp 3		Pump 4			YPE	STROKE	_	0.0 nufactu				MAX P	SI Kill	PR Rate K	ILL (SPM)
PUMPS	4544 - 4558					Liner	SPM 6	Liner S	SPM	Liner	SP	M Lin	er SPM	_	p 1 Q-Z p 2 Q-Z		9IN 9IN	N/A N/A				0.00				
P														Pum Pum								0.00				
STRG	SIZE	WEIGHT	GRADE	I.D.		TJ O.D.	Th	HREAD		# JNTS		LENGTH	IN HO	LE	ON RACI	K R	EPAIRS				DRII	L STRING	REMAR	KS		
DRLLS																										
٥								ı		ī																
Si	LOCATION Co. No.										NO.	D	RILLING	ASSEN	IBLY (BHA)		O.D.	I.D.	LENG	TH	DEP ⁻	EVIAT	ION S		EYS AZM
ENGINES	HRS TODAY HRS ON WELL																									
	HRS LAST CHGE AVERAGE KVA																					-				
	DELIVERED TODA						HOU	RS	FUEL	USED																
RIG FUEL	On Hand Used Today	4	2132.00 410.00		띪	VELL																				
RIG	Used This Well Fuel Brand	-:	2132.00		ă	BOILER #	WN																			
ig.	DISTRIBUTOR SERIAL #	HRS LAS	т т	OTAL	V	OLUME:	S	TAGE	TO	OTAL																
MUD MTR	SERIAL#	24		HRS		LL HRS	LAS			OTAGE																
D ⊠																										
S		DES	SCRIPTIO	N			DAY R	T STI	DBY	HRLY																
ITEMS											47		- -				STAN	IDE	4466	.42			DIR	ECTIO	NS TO	
RENTAL											2	Y DOWN	DRILL	PIPE			SIAN		63.50			1				
REN											TOTA	AL	S / DRILLS	BING					4529	.92		1				
						1					1		LAST INSP						233.0)		EDTU	י וופח	ED		
	used 410 gal o	f fuel																FRC		TO		CODE	DRILL RPM		V	V.O.B.
RKS																		4544	-	4558	C	•				
EMA																										
REPORT REMARKS																		<u> </u>							<u>[</u>	
REPC																										

WE!	ONEER OII	n Well #1			LLC			cc	GAL DE	SCRIPTION PARISH		NG F	REPO	RT	STAT	01017	SPUD DA 09-23- JOB STA	10 12 RT DATI	/IE 2:30 ≣	В ТҮРЕ	DA 24	AYS ON JO		PRO	LL TYPE OJECTED T. RELEA	TD
RIG	MANAGER WOOD	DANIEL N	MIDLAN	RIG		IE NUME 3-0053		OF		ORS REPR GHESF		ATIVE	Co	D. MAN	PH NO.		09-15-					? EATHER LOUDY/		G		
OPE	ERATIONS @ REPO	RT TIME			0 0 10	, 0000			1110	011201	`					RATION ping	IS NEXT 24	4 HRS				<u></u>	4002			
\	ACCIDENTS OR I	NEAR MISSES	S:									# OF JS/ 3	A's RIC 25		TY DAYS		ETY RATE		G.P.S. N 39. 8	coordi 3796 W	INATE:	s 8934	вор те 1 0/16/ ′	ST DAT 10/11	TE / PRES 00/250	SURE PSIG
AFET	SAFETY MEETING tripping											# STOP C		ST MEE 24AT7	TING DAT				YES	N-O-MATIO					ATE / TIME	
SAI	LAST INSPECTION		CTION BY				EW M/U			XTRA CI							FICE NOT		104.00	OURS PAS	ST 24				ATE / TIME	Ē
OPS	CURRENT DEPTH	0		PEN. RA		ROT. F	IRS	MAX.		BCKGR		CONN. G		SAS	13 3/8	8		350					RIG s 8			RENTAL
ō	HOOKLOAD 109	109			109	KOFF		109	ATING			TARY TOF			NEXT (SIZE & SE				DAIL	Y				
			Funnel V				0 S GEL					HTHP			TODAY			uм. 0			AVER	AGE	0.00		0.00)
MUD	Mud Type water	10	SOLIDS %	LCM % S	AKER		% H2O 93	pH 10.		/IF P		CALCIUN 80 REENS	CHLORIE 3400	DES	DAILY	4691.		UM. 8	9709. (UU			0.00		0.00)
	FROM TO	HRS C	CODE		TIO						2	10		_	2625			HYD	SOURCE		DAYS		24.0	nı I	24.0	
	700 715	0.25 2	1 s	safety m									IN SEQUENC	E								1: RIG UF			(Today	y / Well) 0.5
	+	3.0 13 0.5 5		WAIT ON celly up						e rams	s and	hydrill)										2: DRILLI 3: REAM				207.75 25.25
	1045 1230 1230 1400	1.75 6 1.5 5		TRIP IN I				FOR	PLUC	}												4: CORIN 5: COND.		_	4.0	54.5 35.75
	1400 1415	0.25 6	F	PULL 3 S	TAN	IDS D.	Р	_														6: TRIPS 7: LUBRI			2.75	98.75
		0.25 2	1 V	NAIT ON NSAFET	ΥМ	EETIN	G															8: REPAI 9: C/O DF				21.0
	1515 1600 1600 1715	0.75 6 1.25 18		RAN 2 S							.AY 1	JT DO	WN . PUI	MP W	ATER	. LAY	2 JTS I	NOC	<u> </u>			10: DEVI 11: WIRE	LINE LO			9.25
LOG	1715 2300		3 V	WAIT ON PUMP \	I CEI	MENT																12: RUN 13: WAIT			14.5	5.0 25.0
TIME L	2300 2315	0.25 2	1 5	SAFETY	MEE	TING																14: NIPP 15: TEST	LE UP BO			17.5 5.75
	2315 0500 0500 0700	5.75 1; 2.0 5		WAIT ON CONDITI			CIRC	<u>ULA</u> T	<u> </u>													16: DRILL				
	0700	0.0																				18: SQUE 19: FISHI		INT	1.25	1.25
																						20: DIR. \	NORK		0.75	12.0
																								1	0.75	9.0 0.5
																						OTHER Total He	Ours		0.0 24.0	6.75 537.5
	BIT# SIZ	E TY	PE	MA	KE		SERIAL	.#		NOZZ	LES		IN @	0	OUT @	DR	ILLED	HRS	0.00	CUM. HR		- Ctair II	CONDI		L-T.U	ROP
BITS																			0.0	0						
																			0.0	0						
PS	Depth	GP	РМ Р	PRESSURE	Li	Pump ner :		Pum Liner	p 2 SPM	Pu Liner	mp 3 SPI		er SPM		p 1 Q-Z		STROKE 9IN	N/A		rer HF	0	.00	MAX P	PSI Ki	Rate K	(ILL (SPM)
PUMPS														Pum	p 2 Q-Z p 3	9	9IN	N/A				.00			\perp	
	SIZE	WEIGHT	GRADE	I.D.	T.	J O.D.	THI	READ		# JNTS	L	.ENGTH	IN HOLI	Pum	p 4 ON RACK	K RI	EPAIRS					.00 .L STRING	REMAR	KS		
STRG																										
DRLL																										
	LOCATION										NO.	Di	RILLING A	SSEM	IRI Y (F	RHA)		O.D.	I.D.	LENG	TH	D	EVIAT	TION	SURVE	EYS
IES	Co. No. HRS TODAY										140.		NIELINO A	OOLIVI	DEI (E			О.Б.	1.0.	LLING		DEP1		INC		AZM
ENGINES	HRS ON WELL																									
Ш	AVERAGE KVA																									
_	DELIVERED TODA		845.00	\dashv	то	DAY	HOUR	RS	FUEL	USED																
RIG FUEL	Used Today Used This Well	28	87.00		WE WE	LL																\vdash				
RIG	Fuel Brand DISTRIBUTOR	-1	845.00		BL.	ILER # OWDOW LUMES	N																			
씸	SERIAL#	HRS LAST		TAL	CL	JM.	FOOT			TAL																
MUD MTR		24	H	IRS	WELL	. HRS	LAST	24	FOC	TAGE																
ML			00,==				B																			
<u>S</u>		DESC	CRIPTION				DAY RT	STI)BY	HRLY																
ITEMS													DE: -)			STAN	DS					DIF	RECTIO	NS TO	
RENTAL											KELL	Y DOWN	DRILL F	111E			SINGL					1				
REN											TOTA	-	S / DRILLSTR	ING								1				
													S / DRILLSTR LAST INSPEC				-		233.0)		EDT	DD:::-	F->		
	used 287 gal of																	FRC	M	то		CODE	DRILL RPI		V	W.O.B.
SKS	function tested	l b.o.p on 1	0/16																							
EMAI	full circ at 57 B	bls																							+	
RT R																										
REPORT REMARKS																										
12																										

		R OII	LFIEL	D SE	RVICES	S, LL	-C				MOI	RNI	IG R	EPOF	RT	201	0101		15		TYPE	JOB NO.		WELL TY	
	LLNAME D M Veri	ficatio	n Well :	#1						LEGAL	DESCRIPT	ON							ATE / TIM -10 12			DAYS FR S 25	PUD	PROJEC	TED TD
	ERATOR OM (AR	CHER	DANIE	L MIDL	.AND)					СОИНТ	Y / PARISH)N					STAT IL	Έ		ART DATE -10 15			DAYS ON J	ОВ	EST. RE	ELEASE
RIC	MANAGE WOOD	R			R		ONE NU				TORS REP		ATIVE	cc). MAN F	PH NO.		RELEAS	SE DATE /	TIME		WEATHER CLOUDY	//46DFG		
ОР	ERATIONS		RT TIME				10 00				301120							NS NEXT 2				020001	710020		
u	ACCIDEN	ITS OR I	NEAR MIS	SES:									# OF JSA'			Y DAYS		ripping ETY RATE			COORDIN		BOP TEST	DATE / P	RESSURE
ΤŢ	none SAFETY		TOPICS									3	# STOP CA		ST MEET	TING DAT	TE			CROWN		-88.8934 CHECKED	BOP DRILL		250 PSIG TIME
SAFETY	tripping		I INS	PECTION	I BY/TITLE			CREW I	M / U		EXTRA C	REWS /	WHY?	9/2	24AT7	00	OF	FICE NO		YES	JRS PAST	24	BOP DRILI	. DATE /	TIME
	CURRENT	DEDTU	FOOT	AGE LAS	T 24 PEN. R	ATE	DO:	T. HRS	l MA	X. GAS	BCKGF	046	CONN. GA	S TRIP G	\A.C.	LACTO	NA SINIC	SIZE & SI		72.00	_		RIG C	ОСТО	3
OPS			0		0.0										JA3	13 3/8	8		350				S&F		RENTAL
0	ноокьол 109	AD		ICKUP W 09	EIGHT	109	ACKOFF		10	OTATING 19		ROT	TARY TOR	QUE		NEXT C	CASING	SIZE & SI	ET DEPTH	1	ı	DAILY			
	Time	Mud W	t IN / OU	T Funn	nel Vis PV		YLD PT	10 S C	SEL 10 N	I GEL F	l. Loss	FILT CK	HTHP F	L HTTP	FC	TODAY	FUE	L ADDED	то мир сим. 0.		A	VERAGE	0.00	C	0.00
MUD	Mud Type water			% SOLIDS	S % LCM %	SAND	% OI	IL % I	1 -	H 0.5	MF I		CALCIUM 80	CHLORID	ES	DAILY	4291	MUD CO	STS CUM. 9 4	4000.5	0	CUMULATIVE	0.00	C	0.00
2	CENTRIF	JGES	ί.				R TYPE	<u>.</u>	<u> </u>	<u> </u>	ı		REENS	10-100		CHANG 2625	ED		WATER S			UMULATIVE AYS	25.0	2	25.0
	FROM	ТО	HRS	CODE							DETAILS			N SEQUENC	E								EAKDOWN	(To	oday / Well)
		715 845	0.25 1.5	21 6	SAFET TRIP IN				PLUG	<u> </u>												1: RIG U	IP / DOWN LING		0.5 207.75
	845	1045	2.0	5	CONDI	TION																3: REAN		5.0	30.25 54.5
	1045 1315		2.5 1.0	6 22	T.O.O.I		STANI	D AND	TRY	TO BR	EAK BI											5: CONE	. & CIRC	2.0	37.75
	1415		0.75	6	T.I.H 3			•														6: TRIPS	ICATE RIG	9.0	107.75
	1500 1515	1515 1630	0.25 1.25	21 6	SAFET LAY DO			G														8: REPA 9: C/O D	IR RIG	1.25	22.25
	1630		3.0 1.25	6	TRIPS						44 CIRC											10: DEV	IATION ELINE LOG		9.25 2.0
90	2045	2300	2.25	3	REAMI				<u>r uivit</u>													12: RUN	CSG & CMN		5.0 25.0
TIME LOG	2300 2315	2315 0200	0.25 2.75	21 3	SAFET			IG														14: NIPF	CON CEMENT PLE UP BOP	ľ	17.5
Ĭ	0200	ULUU	0.0	3	REAMI		<u>-141</u>															15: TES	T BOP L STEM TES	т	5.75
																						17: PLU	GBACK EEZE CMN	г	1.25
																						19: FISH 20: DIR.			
																								0.75 1.0	12.75 10.0
																									0.5
																						OTHER Total F		19.0	6.75 556.5
	BIT#	SIZ	E	TYPE	N	IAKE		SEF	RIAL#		NOZZ	LES		IN @	Ol	UT @	DR	RILLED	HRS	0.00	CUM. HRS		CONDITIO	ON	ROP
BITS																				0.00					
_																				0.00					
S	D	epth		GPM	PRESSUR		Pun Liner	np 1 SPM	Pu Liner	ımp 2		ımp 3		r SPM	Pumn	1 Q-Z	YPE	STROKE 9IN	Man N/A	ufactur	er HRS	Total HR	MAX PSI	SPR Kill Rate	e KILL (SPM)
PUMPS								01 111		<u> </u>		01 11		. 01	Pump	2 Q-Z		9IN	N/A			0.00			
Д															Pump Pump							0.00			
r R G	SIZE	'	WEIGHT	GRAD	DE I.D.		TJ O.D.		THREA	0	# JNTS	L	ENGTH	IN HOLE	<u> </u>	N RACK	R	EPAIRS				DRILL STRING	3 REMARKS		
RLLSTRG																									
DR																									
	LOCATIO	N						•				NO.	DR	ILLING A	SSEME	BLY (B	зна)		O.D.	I.D.	LENGTI	1 [DEVIATIO	ON SUF	RVEYS
NES	Co. No.	AY									1											DEP	TH	NCL	AZM
ENGINES	HRS ON I					+																			
	AVERAG																								
	DELIVER On Hand		Υ	2337.0	0	-	TODAY	Н	IOURS	FUE	EL USED														
RIG FUEL	Used Too	lay		-492.00	0		WELL																		
RIG	Used Thi Fuel Bra	nd		-2337.0	00	- 1 1	BOILER	OWN																	
~	DISTRIBU		HBC:	N 8 T	TOTAL	\	/OLUME	ES	10T40=	<u> </u>	OTAL														
MUD MTR	SERIA	AL#	HRS L	431	TOTAL HRS		CUM. ELL HRS		OOTAGE .AST 24		OTAL OOTAGE														
MUD																									
			D	ESCRIPT	TON			DA	YRT S	STDBY	HRLY														
SME																									
LI														DRILL F	PIPE			STAN			i		DIRE	CTIONS T	ГО
RENTAL ITEMS													DOWN					SING	LES						
RE												TOTAL WT of		/ DRILLSTRI	ING							\dashv			
	used 57	'A nal a	fuel									—		AST INSPEC			'			238.0		DEDTU	DRILLE	D	
	useu si	4 gai oi	iuci																FRO	М	то	CODE	RPM		W.O.B.
RKS																			 						
EMA																									
2				_					_										1			1 1			
2																									
EPORT																									
REPORT REMAR																									

WE A [ONEER O		ERVICES	, LLC				MOI L DESCRIPTI	ION	NG R	EPOR	T	2010 STATE	01019	SPUD DA 09-23-	10 12	1E 2:30	3 TYPE	DA 26	B NO. YS FR SP YS ON JO		WELL TYP PROJECTE EST. RELE	D TD
RIG	M (ARCHER	DANIEL MIC	R		E NUMBE	R	Mac	ON ATORS REPI	RESENTA	ATIVE	co.	MAN P	IL		09-15-	10 1	5:45		34 WE	ATHER			
OPE	WOOD ERATIONS @ REP		6	18-943	-0053		PT	HUGHES	R						S NEXT 24				CL	.OUDY/	45DEG		
	ACCIDENTS OR									# OF JSA		SAFETY	tripp Y DAYS		ORILLIN TY RATE		G.P.S.	COORDIN	NATES	S	BOP TEST	DATE / PRE	SSURE
ЕТУ	NONE SAFETY MEETIN									3 # STOP C			ING DAT	E			CROWN	796 W			10/16/10/ BOP DRILL		
SAFI	TRIPPING /N		&CHEM ON BY/TITLE		CREV	W M/U		EXTRA C	REWS /	WHY?	9/24	IAT70	00	OF	FICE NOTI	IFIED		URS PAST	T 24		BOP DRILL	DATE / TI	ИE
	CURRENT DEPTH	FOOTAGE LA	ST 24 PEN. R	ATE	ROT. HR	s	MAX. GAS	BCKGR	GAS	CONN. G	AS TRIP GA	s	LAST C	ASING S	SIZE & SE		104.00	· ·			RIG C	OSTS	
OPS	HOOKLOAD	0 PICKUP	0.0 WEIGHT	SLACE	0.5		ROTATIN	lG	RO	TARY TOR	QUE		13 3/8 NEXT C		SIZE & SE	3 50 T DEPTI	Н	-			S&R		RENTAL
	Time Mud V	109	nnel Vis PV	109	D PT 10	S GEL 1	109	Fl. Loss	FILT CK	НТНР І	L HTTPF	С		FUE	L ADDED 1	TO MUD	1	- 1	DAILY				
D	Mud Type		DS % LCM %			% H2O	pH			CALCIUN			TODAY			им. О			AVER		0.00	0.0	
MUD	water CENTRIFUGES	10		SHAKER 1		93	10.5			80 REENS	3400		DAILY (8587.	50 C	UM. 1	02588.	.00		JLATIVE LATIVE	0.00	0.0	
	FROM TO	HRS COI	N	ATION				DETAILS	21	10	IN SEQUENCE		2625.			IYD		`	DAYS		26.0 AKDOWN	26	
	700 715	0.25 21	safety r					DETAILS	OF OPE	RATIONS	IN SEQUENCE								┰	1: RIG UF			ay / Well) 0.5
	715 745 745 1100	0.5 2 3.25 6	DRILL TRIP O																	2: DRILLI 3: REAMI		0.5	208.25 30.25
	1100 1300	2.0 6	TRIP IN	HOLE	TO SE		JG												-	4: CORIN 5: COND.		5.0	54.5 42.75
	1300 1330 1330 1430	0.5 22 1.0 6	WAIT O				GLES T	AG /LAY	DOW	N 2 JTS	3								ll l	6: TRIPS 7: LUBRI	ATE PIG	8.0	115.75
	1430150015001515		RIG UP			6														8: REPAIL	R RIG		22.25
	1515 1530	0.25 18	PUMP 1	00 BB	LS. WT			10.4												10: DEVI	ATION		9.25
90	1530 1630 1630 1645	1.0 17 0.25 6	SET CE PULLEI				KS @ 44	131											\dashv	12: RUN (CSG & CMN		5.5 28.25
IE LC	1645 1800	1.25 17	SET ON			IANGE	E LINER	R IN NO. 1	I PUM	P AND	NEW HEA	D							_	14: NIPPI	ON CEMEN E UP BOP	7 3.25	17.5
TIME	2100 2300	2.0 5	FILLING	PITS	AND M	IIXING	MUD														STEM TES		5.75
		0.25 21 3.25 13	SAFET' WAIT O			MIX MU	JD													17: PLUG 18: SQUE	BACK EZE CMNT	2.25 0.25	2.25 1.5
	0230 0300 0300 0500	0.5 6 2.0 5	T.I.H 6 S		S BRE	AK CII	RCULA	TION 30	BBL T	O SUR	FACE									19: FISHI 20: DIR. V			
	0500 0500 0500 0600	1.0 6	T.I.H TA	G B01																		0.75 0.5	13.5 10.5
	0600 0700	1.0 5	CONDIT	TION M	UD & C	CIRCU	LATE												-			3.0	3.5
																			—⊬	OTHER Total Ho	ours	24.0	6.75 580.5
•	BIT# SI	ZE TYPE	M	AKE	S	SERIAL#	#	NOZZ	ZLES		IN @	OU	JT @	DRI	LLED	HRS	0.00	CUM. HRS	8		CONDITIO	N	ROP
BITS																	0.00						
		<u> </u>			D 4		D 0	D.					l =>	(n=	277.01/7	1	0.00		۰ I -	F-1-LUDO	IMAY DOL	SPR I	KILL (CDM)
PS	Depth	GPM	PRESSURE	: -	Pump 1 ner SP	PM Li	Pump 2	Pu PM Liner	ımp 3 r SPN				1 Q-Z9	9 9	STROKE 9IN	N/A	ufactur		0.	.00	MAX PSI	SPR Kill Rate	KILL (SPM)
PUMPS	Depth	GPM	PRESSURE	: -		PM Li					er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3	9 9			ufactur		0. 0. 0.	.00 .00 .00	MAX PSI	SPR Kill Rate	KILL (SPM)
	Depth SIZE		PRESSURE	Lin					r SPM		er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3	9 9	9IN	N/A	ufactur	er HRS	0. 0. 0.	.00 .00 .00	MAX PSI	SPR Kill Rate	KILL (SPM)
				Lin	ner SP		iner Si	PM Line	r SPM	A Line	er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9 9	9IN 9IN	N/A	ufactur	er HR	0. 0. 0.	.00 .00 .00		SPR Kill Rate	KILL (SPM)
STRG				Lin	ner SP		iner Si	PM Line	r SPM	A Line	er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9 9	9IN 9IN	N/A	ufactur	er HR	0. 0. 0.	.00 .00 .00		SPR Kill Rate	KILL (SPM)
	SIZE			Lin	ner SP		iner Si	PM Line	r SPM	A Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	REMARKS		
DRLLSTRG	SIZE LOCATION Co. No.			Lin	ner SP		iner Si	PM Line	r SPM	A Line	er SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A	ufactur	er HR	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	REMARKS		
DRLLSTRG	SIZE			Lin	ner SP		iner Si	PM Line	r SPM	A Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	REMARKS	N SUR	/EYS
STRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE	WEIGHT GR		Lin	ner SP		iner Si	PM Line	r SPM	A Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	REMARKS	N SUR	/EYS
DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD	WEIGHT GR		Lin	ner SP		EEAD	PM Line	r SPM	A Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	REMARKS	N SUR	/EYS
. ENGINES DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA	WEIGHT GR	ADE I.D.	TOD WEI	O.D.	THR	EEAD	# JNTS	r SPM	A Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	REMARKS	N SUR	/EYS
. ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well	WEIGHT GR	ADE I.D.	TOD	O.D. O.D. AY LL LER #	THR	EEAD	# JNTS	r SPM	A Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	REMARKS	N SUR	/EYS
DRLLSTRG	LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today	WEIGHT GR	ADE I.D.	TJ TOD WEI	O.D.	THR	EEAD	# JNTS	r SPM	A Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	REMARKS	N SUR	/EYS
RIG FUEL ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand	WEIGHT GR	ADE I.D.	TJ TOD WEI	O.D. O.D. AY LER # WDOWN UMES M.	THR	S FU	# JNTS	r SPM	A Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	REMARKS	N SUR	/EYS
RIG FUEL ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	WEIGHT GR AY 1927 410. -192	ADE I.D. .00 .00 .00 .7.00	TOD WEI BOIL BLOW VOL	O.D. O.D. AY LER # WDOWN UMES M.	THR	S FU	# JNTS	r SPM	A Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	REMARKS	N SUR	/EYS
. ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	WEIGHT GR AY 1927 410. -192	ADE I.D. OO OO T.OO TOTAL HRS	TOD WEI BOIL BLOW VOL	O.D. O.D. AY LER # WDOWN UMES M. HRS	THR	S FU	# JNTS	r SPM	A Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	REMARKS	N SUR	/EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	AY 1927 410192	ADE I.D. OO OO T.OO TOTAL HRS	TOD WEI BOIL BLOW VOL	O.D. O.D. AY LER # WDOWN UMES M. HRS	HOURS FOOTAL LAST	S FU	# JNTS # JNTS JEL USED TOTAL FOOTAGE	r SPM	A Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	N/A N/A	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	REMARKS	N SUR	/EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	AY 1927 410192	ADE I.D. OO OO T.OO TOTAL HRS	TOD WEI BOIL BLOW VOL	O.D. O.D. AY LER # WDOWN UMES M. HRS	HOURS FOOTAL LAST	S FU	# JNTS # JNTS JEL USED TOTAL FOOTAGE	r SPM	A Line	IN HOLE	Pump Pump SEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9IN 9IN	O.D.	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	EVIATIO H II	N SUR	/EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	AY 1927 410192	ADE I.D. OO OO T.OO TOTAL HRS	TOD WEI BOIL BLOW VOL	O.D. O.D. AY LER # WDOWN UMES M. HRS	HOURS FOOTAL LAST	S FU	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO.	A Line	IN HOLE	Pump Pump SEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PIN	O.D.	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	EVIATIO H II	N SURV	/EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	AY 1927 410192	ADE I.D. OO OO T.OO TOTAL HRS	TOD WEI BOIL BLOW VOL	O.D. O.D. AY LER # WDOWN UMES M. HRS	HOURS FOOTAL LAST	S FU	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO.	ENGTH DF	IN HOLE	Pump Pump SEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PAIRS	O.D.	ufactur	er HRS	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	EVIATIO H II	N SURV	/EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	WEIGHT GR AY 1927 410. -192 DESCRI	ADE I.D. OO OO T.OO TOTAL HRS	TOD WEI BOIL BLOW VOL	O.D. O.D. AY LER # WDOWN UMES M. HRS	HOURS FOOTAL LAST	S FU	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. KELLY TOTAL WT of	ENGTH OF OF OF OF OF OF OF OF OF O	IN HOLE ORILLING AS DRILL PI	Pump Pump Pump Pump Pump Pump Pump Rump Rump Rump Rump Rump Rump Rump R	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PAIRS	O.D.	ufactur	LENGTI	0.0 0.0 0.0 DRIL	DEP1	EVIATIC TH III	N SUR\	/EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	WEIGHT GR AY 1927 410. -192 DESCRI	ADE I.D. OO OO T.OO TOTAL HRS	TOD WEI BOIL BLOW VOL	O.D. O.D. AY LER # WDOWN UMES M. HRS	HOURS FOOTAL LAST	S FU	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. KELLY TOTAL WT of	ENGTH OF OF OF OF OF OF OF OF OF O	IN HOLE IN HOLE ORILL PI	Pump Pump Pump Pump Pump Pump Pump Rump Rump Rump Rump Rump Rump Rump R	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PAIRS	O.D.	I.D.	LENGT	0.0 0.0	DEP1	EVIATIO H II	N SUR\	/EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	WEIGHT GR AY 1927 410. -192 DESCRI	ADE I.D. OO OO T.OO TOTAL HRS	TOD WEI BOIL BLOW VOL	O.D. O.D. AY LER # WDOWN UMES M. HRS	HOURS FOOTAL LAST	S FU	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. KELLY TOTAL WT of	ENGTH OF OF OF OF OF OF OF OF OF O	IN HOLE IN HOLE ORILL PI	Pump Pump Pump Pump Pump Pump Pump Rump Rump Rump Rump Rump Rump Rump R	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PAIRS	O.D.	I.D.	LENGTI	0.0 0.0	DEPT	EVIATION THE INTERPRETATION OF THE INTERPRET	N SUR\	/EYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	WEIGHT GR AY 1927 410. -192 DESCRI	ADE I.D. OO OO T.OO TOTAL HRS	TOD WEI BOIL BLOW VOL	O.D. O.D. AY LER # WDOWN UMES M. HRS	HOURS FOOTAL LAST	S FU	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. KELLY TOTAL WT of	ENGTH OF OF OF OF OF OF OF OF OF O	IN HOLE IN HOLE ORILL PI	Pump Pump Pump Pump Pump Pump Pump Rump Rump Rump Rump Rump Rump Rump R	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PAIRS	O.D.	I.D.	LENGTI	0.0 0.0	DEPT	EVIATION THE INTERPRETATION OF THE INTERPRET	N SUR\	/EYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	WEIGHT GR AY 1927 410. -192 DESCRI	ADE I.D. OO OO T.OO TOTAL HRS	TOD WEI BOIL BLOW VOL	O.D. O.D. AY LER # WDOWN UMES M. HRS	HOURS FOOTAL LAST	S FU	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. KELLY TOTAL WT of	ENGTH OF OF OF OF OF OF OF OF OF O	IN HOLE IN HOLE ORILL PI	Pump Pump Pump Pump Pump Pump Pump Rump Rump Rump Rump Rump Rump Rump R	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PAIRS	O.D.	I.D.	LENGTI	0.0 0.0	DEPT	EVIATION THE INTERPRETATION OF THE INTERPRET	N SUR\	/EYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	WEIGHT GR AY 1927 410. -192 DESCRI	ADE I.D. OO OO T.OO TOTAL HRS	TOD WEI BOIL BLOW VOL	O.D. O.D. AY LER # WDOWN UMES M. HRS	HOURS FOOTAL LAST	S FU	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. KELLY TOTAL WT of	ENGTH OF OF OF OF OF OF OF OF OF O	IN HOLE IN HOLE ORILL PI	Pump Pump Pump Pump Pump Pump Pump Rump Rump Rump Rump Rump Rump Rump R	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PAIRS	O.D.	I.D.	LENGTI	0.0 0.0	DEPT	EVIATION THE INTERPRETATION OF THE INTERPRET	N SUR\	/EYS AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	SIZE LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TOD On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	WEIGHT GR AY 1927 410. -192 DESCRI	ADE I.D. OO OO T.OO TOTAL HRS	TOD WEI BOIL BLOW VOL	O.D. O.D. AY LER # WDOWN UMES M. HRS	HOURS FOOTAL LAST	S FU	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO. KELLY TOTAL WT of	ENGTH OF OF OF OF OF OF OF OF OF O	IN HOLE IN HOLE ORILL PI	Pump Pump Pump Pump Pump Pump Pump Rump Rump Rump Rump Rump Rump Rump R	1 Q-Z9 2 Q-Z9 3 4 NRACK	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PAIRS	O.D.	I.D.	LENGTI	0.0 0.0	DEPT	EVIATION THE INTERPRETATION OF THE INTERPRET	N SUR\	/EYS AZM

Р	ION	NEER OIL	LFIELD	SER	VICES,	LLC				MOI	RNI	NG R	EPOR	Т	DATE 20101	1020	RIG N	O. JOE	3 TYPE	JO	B NO.		WE	LL TYPE	
WE	LLNA				<u> </u>				LEGAL	DESCRIPTI				· <u>-</u>		SPUD	DATE / TII 3-10 1			DA 27	YS FR SP	PUD	PRO	DJECTED	TD
	ERAT	TOR (ARCHER I	DANIEL	MIDLA	ND)				соинт	Y / PARISH On					STATE IL		TART DAT			DA 35	YS ON JO	ОВ	EST	Γ. RELEA	SE
RIG	MAN	NAGER OOD			RIG	PHONE 8-943-	NUMBER 0053	ł		TORS REP		ATIVE	СО	MAN PH	ļ	RELE	ASE DATE	/ TIME		WE	ATHER	/45DE	G G		
ОР		TIONS @ REPO	RT TIME						1						OPERA DRILL	TIONS NEXT	24 HRS								
		CIDENTS OR N	NEAR MISSE	S:								# OF JSA	's RIG	SAFETY		SAFETY RA		G.P.S. N 39.8	coordi 796 W	NATES	8934			E / PRES	
FETY	SAF	FETY MEETING										# STOP C	ARDS LAS	T MEETIN	NG DATE				-O-MATIC					TE / TIME	
SAI		ST INSPECTION		ECTION B	Y / TITLE		CREW	/ M / U		EXTRA C	REWS /	WHY?	0,2	., (110		OFFICE N	OTIFIED		URS PAS	ST 24		BOP D	RILL DA	TE / TIME	Ξ
		RRENT DEPTH			PEN. RA		ROT. HRS	5 N	AX. GAS	BCKGR	GAS	CONN. GA	S TRIP G			SING SIZE &	SET DEPT					RIG	COS	STS	
OPS		OKLOAD		KUP WEIG	292.25 HT	SLACK	16.0 DFF		ROTATING	<u> </u> }	RC	TARY TOR	QUE		13 3/8 NEXT CAS	SING SIZE &	SET DEPT	Н	╛	DAILV	,	S	& R	R	ENTAL
	109 Time	e Mud W	109	Funnel \	Vis PV	109 YLD	PT 10 S		109 M GEL F	I. Loss	FILT C	HTHP F	L HTTP F	С		FUEL ADDI				DAILY		0.00		0.00	
	020 Mud	00 9.0 d Type	%	56 SOLIDS 9	6 LCM % S	SAND %	GOIL 9	6 H2O	pH	MF F	PF	CALCIUM	CHLORIDE		ODAY	MUD C	CUM. 0	.00	-	AVER		0.00		0.00	
MUD	wat	ter NTRIFUGES	10		SH	IAKER T		93	10.5		sc	80 REENS	3400		DAILY 11	1545.50	CUM. 1	14133. SOURCE	.50		LATIVE LATIVE	0.00		0.00	
	FRO	ROM TO	HRS	CODE	N/	TION	AL.			DETAILS.		10 RATIONS I	N SEQUENCI	_	2625.0	0	HYD			DAYS		27.0		(Today	/ / Well)
	700	0 715	0.25	21 :	safety m					DETAILS	OF OPE	KATIONS	N SEQUENCI								1: RIG UI	P / DOW	/N		0.5
	715 745		0.5 5 1.75 6		CONDITI lay dowr				ATE_												2: DRILL 3: REAM		,	16.0	224.25 30.25
	930	0 945	0.25	3	rig servi	ce														1-	4: CORIN			0.5	54.5 43.25
	945 121	15 1245	2.5 6 0.5 8	3 1	trip in ho fix air lin	e on #	2 d.w n	notor													6: TRIPS 7: LUBRI			6.0	121.75
	124 143		1.75 6 0.5 2		finish tri drill plug		up /br	eak cir	c/tag c	ement											8: REPAI 9: C/O DI	IR RIG	(0.75	23.0
	150	00 1515	0.25	21 :	safety m	eeting														[_	10: DEVI	ATION			9.25 2.0
90	151 153	30 2145	6.25	2	DRILL pl DRILL co	ement		8												 	12: RUN	CSG &	CMNT		5.5 28.25
IE L	214 230		+		DRILL fr SAFETY																13: WAIT	LE UP E	ĺ		17.5
IMI	231	15 0700	7.75		DRILL F			676													15: TEST 16: DRILI	LSTEM	TEST		5.75
	070	UO	0.0																		17: PLUG 18: SQUI	EEZE C	MNT		2.25 1.5
																					19: FISH				
																								0.75	14.25 10.5
																				\dashv					3.5
																				_	OTHER Total H	ours		0.0 24.0	6.75 604.5
10	В 6	SIT# SIZ		YPE I4CDX	MA HTC	KE	5175	ERIAL #	3x22/	NOZZ 1x28	ZLES		IN @ 4560	OUT	Γ@	DRILLED	HRS	; (CUM. HR	S		CONE	DITION		ROP
נטָן	6	12 1/4		I4CDX			5175		3x22/				4560					0.00	1						
											-						1	0.00					I S	PR I	
PS		Depth	G	PM I	PRESSURE	Line	Pump 1 er SPI	M Lin	Pump 2 er SP	_	ump 3		ump 4		TYPI Q-Z9	9IN	N/A	nufactur		0.	.00	MAX	PSI Kil	SPR I Rate K	ILL (SPM)
PUMPS	443 457		G	PM I	PRESSURE					_					Q-Z9 Q-Z9			nufactur		0. 0.		MAX	PSI Kii	SPR K	(ILL (SPM)
	457	31 - 77 - 4676		17	40	6 6 6	er SPN	M Lin 6 6 6	er SP	M Line	r SPI	M Line	r SPM	Pump 2 Pump 3 Pump 4	Q-Z9 Q-Z9 3	9IN 9IN	N/A N/A	nufactur		0. 0. 0.	.00 .00 .00			SPR I Rate	ILL (SPM)
	457	31 - 77 - 4676	WEIGHT			Line 6 6	er SPN	M Lin 6 6	er SP	_	r SPI			Pump 2 Pump 3 Pump 4	Q-Z9 Q-Z9	9IN	N/A N/A	nufactur		0. 0. 0.	.00 .00 .00			SPR K	ILL (SPM)
STRG	457	31 - 77 - 4676		17	40	6 6 6	er SPN	M Lin 6 6 6	er SP	M Line	r SPI	M Line	r SPM	Pump 2 Pump 3 Pump 4	Q-Z9 Q-Z9 3	9IN 9IN	N/A N/A	nufactur		0. 0. 0.	.00 .00 .00			SPR I Rate	ILL (SPM)
STRG	457	31 - 77 - 4676 SIZE		17	40	6 6 6	er SPN	M Lin 6 6 6	er SP	M Line	r SPI	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A	nufactur	er HR	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	G REMAI	RKS		
DRLLSTRG	457	31 - 77 - 4676 SIZE		17	40	6 6 6	er SPN	M Lin 6 6 6	er SP	M Line	r SPI	Line	r SPM	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A	nufactur		0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMAI	RKS	SURVI	EYS
DRLLSTRG	LOC Co.	31 - 77 - 4676 SIZE		17	40	6 6 6	er SPN	M Lin 6 6 6	er SP	M Line	r SPI	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A	nufactur	er HR	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMAI	RKS	SURVI	
DRLLSTRG	LOCC Co. HRS HRS	SIZE V CATION No. S TODAY S ON WELL S LAST CHGE		17	40	6 6 6	er SPN	M Lin 6 6 6	er SP	M Line	r SPI	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A	nufactur	er HR	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMAI	RKS	SURVI	EYS
ENGINES DRLLSTRG PUMPS	LOCC Co. HRS HRS AVE	SIZE NOTE OF THE PROPERTY OF T	WEIGHT	17	40	6 6 6	er SPN	M Lin 6 6 7 THRE	er SP 87 AD	# JNTS	r SPI	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A	nufactur	er HR	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMAI	RKS	SURVI	EYS
ENGINES DRLLSTRG	LOCC Co. HRS HRS AVE	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA	WEIGHT	17 GRADE	40 I.D.	TODA	87 D.D.	M Lin 6 6 6	er SP 87 AD	M Line	r SPI	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A	nufactur	er HR	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMAI	RKS	SURVI	EYS
ENGINES DRLLSTRG	LOC Co. HRS HRS AVE	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well	WEIGHT Y	177 GRADE	40 I.D.	TODA	87 D.D.	M Lin 6 6 7 THRE	er SP 87 AD	# JNTS	r SPI	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A	nufactur	er HR	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMAI	RKS	SURVI	EYS
ENGINES DRLLSTRG	LOCC Co. I HRS HRS AVE DEL On Use Use Fue	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today	WEIGHT Y	17 GRADE	40 I.D.	TODA WEL BOIL BLOW	87 D.D.	M Lin 6 6 7 THRE	er SP 87 AD	# JNTS	r SPI	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A	nufactur	er HR	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMAI	RKS	SURVI	EYS
RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS ON Use Use Fue DIS	SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand	WEIGHT Y	2214.00 287.00 2214.00	JACONTAL	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS	er SP 87 AD FU	# JNTS	r SPI	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A	nufactur	er HR	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMAI	RKS	SURVI	EYS
RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS ON Use Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y	2214.00 287.00 2214.00	40 I.D.	TODA WEL BOIL BLOW VOLU	87 D.D. SPIN SPIN	M Lin 6 6 7 HRE	er SP 87 AD FU	# JNTS	r SPI	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A	nufactur	er HR	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMAI	RKS	SURVI	EYS
RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS ON Use Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y A A A A A A A A A A A A	2214.00 287.00 2214.00	JULIAN DE LA CONTRACTOR	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS FOOTAGLAST 2	er SP 87 AD FU	# JNTS # JNTS TOTAL DOTAGE	r SPI	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A	nufactur	er HR	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMAI	RKS	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS ON Use Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y A A A A A A A A A A A A	2214.00 287.00 2214.00	JULIAN DE LA CONTRACTOR	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS	er SP 87 AD FU	# JNTS	r SPI	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A	nufactur	er HR	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	B REMAI	RKS	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS ON Use Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y A A A A A A A A A A A A	2214.00 287.00 2214.00	JULIAN DE LA CONTRACTOR	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS FOOTAGLAST 2	er SP 87 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	O.D.	I.D.	LENG1	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIATH	RKS	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS ON Use Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y A A A A A A A A A A A A	2214.00 287.00 2214.00	JULIAN DE LA CONTRACTOR	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS FOOTAGLAST 2	er SP 87 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	ENGTH DR	IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A	nufactur	LENG1	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIATH	TION	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS ON Use Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y A A A A A A A A A A A A	2214.00 287.00 2214.00	JULIAN DE LA CONTRACTOR	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS FOOTAGLAST 2	er SP 87 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	DR DR	IN HOLE	Pump 2 Pump 3 Pump 4 ON SEMBI	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A O.D.	I.D.	LENGT	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIATH	TION	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS ON Use Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y A A A A A A A A A A A A	2214.00 287.00 2214.00	JULIAN DE LA CONTRACTOR	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS FOOTAGLAST 2	er SP 87 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	ENGTH DR ON THE STATE OF THE	IN HOLE	Pump 2 Pump 3 Pump 4 ON SEMBI	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A O.D.	I.D. 462762.89	LENG1	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIATH	TION	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS AVE Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y A A A A A A A A A A A A	2214.00 287.00 2214.00	JULIAN DE LA CONTRACTOR	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS FOOTAGLAST 2	er SP 87 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	ENGTH DR ON THE STATE OF THE	IN HOLE IN HOLE ORILL P	Pump 2 Pump 3 Pump 4 ON SEMBI	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A O.D.	I.D. 4627. 62.89 4690.	LENG1	TH D	DEPTH	DEVIA TH DI	TION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS AVE Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT Y A A A A A A A A A A A A	2214.00 287.00 2214.00	JULIAN DE LA CONTRACTOR	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS FOOTAGLAST 2	er SP 87 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	ENGTH DR ON THE STATE OF THE	IN HOLE IN HOLE ORILL P	Pump 2 Pump 3 Pump 4 ON SEMBI	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A O.D.	I.D. 4627. 62.89 4690.	LENG1	TH D	DEPTH	DEVIA TH DI	TION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS AVE Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT Y A A A A A A A A A A A A	2214.00 287.00 2214.00	JULIAN DE LA CONTRACTOR	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS FOOTAGLAST 2	er SP 87 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	ENGTH DR ON THE STATE OF THE	IN HOLE IN HOLE ORILL P	Pump 2 Pump 3 Pump 4 ON SEMBI	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A O.D.	I.D. 4627. 62.89 4690.	LENG1	0. 0. 0.	DEPTH	DEVIA TH DI	TION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS AVE Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT Y A A A A A A A A A A A A	2214.00 287.00 2214.00	JULIAN DE LA CONTRACTOR	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS FOOTAGLAST 2	er SP 87 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	ENGTH DR ON THE STATE OF THE	IN HOLE IN HOLE ORILL P	Pump 2 Pump 3 Pump 4 ON SEMBI	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A N/A O.D.	I.D. 4627. 62.89 4690.	LENGT	0. 0. 0.	DEPTH	DRIL RF	TION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS AVE Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT Y A A A A A A A A A A A A	2214.00 287.00 2214.00	JULIAN DE LA CONTRACTOR	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS FOOTAGLAST 2	er SP 87 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	ENGTH DR ON THE STATE OF THE	IN HOLE IN HOLE ORILL P	Pump 2 Pump 3 Pump 4 ON SEMBI	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A N/A O.D.	I.D. 4627. 62.89 4690.	LENGT	0. 0. 0.	DEPTH	DRIL RF	TION	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS AVE Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT Y A A A A A A A A A A A A	2214.00 287.00 2214.00	JULIAN DE LA CONTRACTOR	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS FOOTAGLAST 2	er SP 87 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	ENGTH DR ON THE STATE OF THE	IN HOLE IN HOLE ORILL P	Pump 2 Pump 3 Pump 4 ON SEMBI	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A N/A O.D.	I.D. 4627. 62.89 4690.	LENGT	0. 0. 0.	DEPTH	DRIL RF	TION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOCC Co. HRS HRS AVE Use Fue DIS	SIZE V SIZE V CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT Y A A A A A A A A A A A A	2214.00 287.00 2214.00	JULIAN DE LA CONTRACTOR	TODA WEL BOIL BLOV VOLU CUM	87 D.D. SPIN SPIN	HOURS FOOTAGLAST 2	er SP 87 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	ENGTH DR ON THE STATE OF THE	IN HOLE IN HOLE ORILL P	Pump 2 Pump 3 Pump 4 ON SEMBI	Q-Z9 Q-Z9 3 1	9IN 9IN REPAIRS	N/A N/A N/A O.D.	I.D. 4627. 62.89 4690.	LENGT	0. 0. 0.	DEPTH	DRIL RF	TION	SURVI	EYS

P	ION	NEER OII	FIELD) SER	VICES	. LL	.C				MOF	RNI	NG R	EPOF	·T	DATE 2010		1	RIG NO	D. JOB	TYPE	JOE	NO.		WE	LL TYPE	
WE	LLNA					,				LEGAL I	DESCRIPTI		110 11			2010	7102	SPUD DA	ATE / TIN			DAY 28	/S FR SP	UD	PR	OJECTED	TD
ОР	ERAT				ND)					COUNTY	/ / PARISH n	<u> </u>				STATE	Ē	JOB STA	RT DATE	<u> </u>		+	/S ON JO	В	ES	T. RELEA	ASE
RIG	MAN	NAGER OOD			R		ONE NUM			OPERAT	TORS REPI		TATIVE	СО	MAN P			RELEAS				WE	ATHER	52DE	G		
ОР		TIONS @ REPO	RT TIME													OPER DRIL	RATION	L IS NEXT 2 G	4 HRS			<u>,</u> `	- - · /				
		CIDENTS OR I	NEAR MISS	SES:									# OF JSA	's RIG	SAFETY			ETY RATE		G.P.S. N 39.8	COORDIN	IATES - 88. 8	934			TE / PRES 00/250	
FETY	SAF	FETY MEETING		em									# STOP C	ARDS LAS	T MEETI	ING DATE	Ē			CROWN-						TE / TIM	
SAI		ST INSPECTION			BY / TITLE		CI	REW N	M / U		EXTRA C	REWS /	WHY?				OF	FICE NOT		MANHOU 104.00		24		BOP D	RILL DA	TE / TIM	E
S	CUR 488	RRENT DEPTH	FOOTA	GE LAST 2	PEN. R 9.835		кот. 21.2		MA	AX. GAS	BCKGR	RGAS	CONN. G	S TRIP G		LAST CA		SIZE & SE	T DEPTH	ł	п				COS		
OPS		OKLOAD	II .	CKUP WEI			CKOFF			OTATING 09		RC	TARY TOR	QUE				SIZE & SE		Н	7	DAILY		S	& R	F	RENTAL
	Time 053	e Mud W	t IN / OUT		Vis PV		YLD PT	10 S G		M GEL FI		FILT CH 1/32	K HTHP F	L HTTP		TODAY	FUE	L ADDED	TO MUD			AVERA	\GE	0.00		0.00)
MUD	Mud	Type spersed gel	% 10	SOLIDS	% LCM %				120			1/32 PF	CALCIUN 48	CHLORID	S	DAILY 4		MUD COS	STS	.00 19010.	0	CUMUL	LATIVE	0.00		0.00)
2	_	NTRIFUGES	[10	J	_		R TYPE ONAL	[93	l	10			REENS	[0000		CHANGE 2625.	ED	,		SOURCE	(UMUL DAYS	ATIVE	28.0		28.0)
	_	ROM TO	HRS	CODE							DETAILS	_		N SEQUENC	1								IME BRE	AKDO\	WN	(Toda	y / Well)
	700 715		1	21 2	safety r			ROM	4676 ⁻	TO 473	6												1: RIG UF 2: DRILLI			21.25	0.5 245.5
	123 143			2	CHANG DRILL						<u> </u>											#_	3: REAMI 4: CORIN				30.25 54.5
	150	00 1515	0.25	21	SAFET	Y ME	ETING	;															5: COND. 6: TRIPS	& CIR	С		43.25 121.75
	151 213	30 2300	1.5	2	DRILL F	RO	VI 4797	TO 4															7: LUBRIO 8: REPAI			2.0	25.0
	230 231	00 2315 15 0700	1	21 2	SAFET'				<u>85</u> @4	<u>853</u> 18	Bbl gair	n che	ck for flo	ow no flo	v resu	ıme dr	<u>ill</u> inc						9: C/O DR 10: DEVI		1E		9.25
Ŋ																							11: WIRE 12: RUN (2.0 5.5
E LOG																							13: WAIT 14: NIPPI				28.25 17.5
TIME																						-	15: TEST 16: DRILL		TEST		5.75
																							17: PLUG 18: SQUE	EZE C	MNT		2.25 1.5
																							19: FISHI 20: DIR. V				
																										0.75	15.0 10.5
																						_					3.5
																							THER	_			6.75
	P	BIT# SIZ	F -	ГҮРЕ	lNA	AKE		SED	IAL#		NOZZ	7 FS		IN @	OH	IT @	DP	ILLED	HRS		UM. HRS	1	Γotal H		DITION	24.0	628.5 R O P
עטַן	6	12 1/4	VGC	44CDX	HTC	AILE		17544 17544	10	3x22/1 3x22/1	x28			4560 4560		,1 ©	Dit		1110	0.00				COM			, KOI
B	6	12 1/4		44CDX				17544		3x22/1				4560 4560						0.00							
		Depth		GPM	PRESSURI	<u> </u>	Pump		Р	ump 2	_	ump 3		ump 4		TYI		STROKE	_	0.00				MAX	PSI Ki	SPR II Rate	(ILL (SPM)
IMPS	467	Depth 76 - 4740	(GPM 1	PRESSURI		Liner	SPM	Line		_					1 Q-Z9 2 Q-Z9)	STROKE 9IN 9IN	Man N/A N/A	ufactur		0.0 0.0	00	MAX	PSI Ki	SPR II Rate	(ILL (SPM)
PUMPS	474	-					Liner 8	SPM	Line	r SPN	_					1 Q-Z9 2 Q-Z9 3)	9IN	N/A	ufactur		0.0	00 00 00	MAX	PSI Ki	SPR I Rate	(ILL (SPM)
	474 480	76 - 4740 40 - 4804 04 - 4885	WEIGHT		750	6	Liner 8	SPM 37	Line 6	87	_	r SP			Pump Pump Pump	1 Q-Z9 2 Q-Z9 3)	9IN	N/A	ufactur	er HR	0.0 0.0 0.0	00 00 00			SPR II Rate	KILL (SPM)
STRG	474 480	76 - 4740 40 - 4804 04 - 4885		1	750	6	Liner 8	SPM 37	6 6 6	87	1 Liner	r SP	M Line	r SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4)	9IN 9IN	N/A	ufactur	er HR	0.0 0.0 0.0	00 00 00 00			SPR II Rate	KILL (SPM)
	474 480	76 - 4740 40 - 4804 04 - 4885		1	750	6	Liner 8	SPM 37	6 6 6	87	1 Liner	r SP	M Line	r SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4)	9IN 9IN	N/A	ufactur	er HR	0.0 0.0 0.0	00 00 00 00			SPR II Rate	KILL (SPM)
DRLLSTRG	474 480	76 - 4740 40 - 4804 04 - 4885 SIZE		1	750	6	Liner 8	SPM 37	6 6 6	87	1 Liner	r SP	M Line	r SPM	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A	ufactur	er HR	0.0 0.0 0.0 DRILL	D0 D0 D0 D0 D0 STRING	REMA	RKS	SURV	EYS
DRLLSTRG	474 480 LOC Co. I	76 - 4740 40 - 4804 04 - 4885 SIZE		1	750	6	Liner 8	SPM 37	6 6 6	87	1 Liner	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	ufactur	er HR	0.0 0.0 0.0 DRILL	00 00 00 00 . String	REMA	RKS	SURV	
STRG	LOC Co. HRS HRS	76 - 4740 40 - 4804 04 - 4885 SIZE V CATION No. S TODAY S ON WELL S LAST CHGE		1	750	6	Liner 8	SPM 37	6 6 6	87	1 Liner	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	ufactur	er HR	0.0 0.0 0.0 DRILL	D0 D0 D0 D0 D0 STRING	REMA	RKS	SURV	EYS
DRLLSTRG	LOC Co. I HRS HRS	76 - 4740 40 - 4804 04 - 4885 SIZE	WEIGHT	1	750	6	Liner 8	SPM 87	Line 6 6 7 THREA	87	# JNTS	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	ufactur	er HR	0.0 0.0 0.0 DRILL	D0 D0 D0 D0 D0 STRING	REMA	RKS	SURV	EYS
ENGINES DRLLSTRG	LOC Co. I HRS HRS AVE	76 - 4740 40 - 4804 04 - 4885 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA	WEIGHT	1066.00	750	6666	TJ O.D.	SPM 87	6 6 6	87	1 Liner	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	ufactur	er HR	0.0 0.0 0.0 DRILL	D0 D0 D0 D0 D0 STRING	REMA	RKS	SURV	EYS
ENGINES DRLLSTRG	LOC Co. HRS HRS AVE DEL On Use	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well	WEIGHT	GRADE	750	SOILER	TJ O.D. TODAY WELL BOILER #	SPM 87	Line 6 6 7 THREA	87	# JNTS	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	ufactur	er HR	0.0 0.0 0.0 DRILL	D0 D0 D0 D0 D0 STRING	REMA	RKS	SURV	EYS
DRLLSTRG	LOC Co. HRS HRS AVE DEL On Use Use Fue	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today	WEIGHT	1066.00 1148.00	750	BOILER	TJ O.D.	SPM 87	Line 6 6 7 THREA	87	# JNTS	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	ufactur	er HR	0.0 0.0 0.0 DRILL	D0 D0 D0 D0 D0 STRING	REMA	RKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG	LOC Co. I HRS HRS On I Use Use Fue	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand	WEIGHT	1066.00 1148.00 -1066.00	750	BOILER	TJ O.D. TODAY WELL BOILER #	SPM 87	Line 6 6 7 THREA	FUE	# JNTS	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	ufactur	er HR	0.0 0.0 0.0 DRILL	D0 D0 D0 D0 D0 STRING	REMA	RKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG	LOC Co. I HRS HRS On I Use Use Fue	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y HRS LA	1066.00 1148.00 -1066.00	750	BOILER	TJ O.D. TODAY WELL BLOWDOV OLUMES CUM.	SPM 87	Line 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FUE	# JNTS	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	ufactur	er HR	0.0 0.0 0.0 DRILL	D0 D0 D0 D0 D0 STRING	REMA	RKS	SURV	EYS
ENGINES DRLLSTRG	LOC Co. I HRS HRS On I Use Use Fue	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y HRS LAX	1066.00 1148.00 -1066.00	750 I.D.	BOILER	TJ O.D. TODAY WELL BLOWDOV OLUMES CUM.	SPM 87	Line 6 6 6 THREA	FUE	# JNTS	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	ufactur	er HR	0.0 0.0 0.0 DRILL	D0 D0 D0 D0 D0 STRING	REMA	RKS	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. I HRS HRS On I Use Use Fue	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y HRS LAX	1066.00 1148.00 -1066.00	750 I.D.	BOILER	TJ O.D. TJ O.D. TODAY WELL BLOWDOV OLUMES CUM.	SPM 87	Line 6 6 6 THREA	FUE	# JNTS # JNTS COTAL COTAL COTAGE	r SP	M Line	IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	N/A N/A	ufactur	er HR	0.0 0.0 0.0 DRILL	D0 D0 D0 D0 D0 STRING	REMA	RKS	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. I HRS HRS On I Use Use Fue	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y HRS LAX	1066.00 1148.00 -1066.00	750 I.D.	BOILER	TJ O.D. TJ O.D. TODAY WELL BLOWDOV OLUMES CUM.	SPM 87	Line 6 6 6 THREA	FUE	# JNTS # JNTS COTAL COTAL COTAGE	r SP	M Line	IN HOLE	Pump Pump ON SSEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	O.D.	ufactur	LENGT	0.0 0.0 0.0 DRILL	D0 D0 D0 D0 D0 STRING	EVIA TH	RKS	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. I HRS HRS On I Use Use Fue	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y HRS LAX	1066.00 1148.00 -1066.00	750 I.D.	BOILER	TJ O.D. TJ O.D. TODAY WELL BLOWDOV OLUMES CUM.	SPM 87	Line 6 6 6 THREA	FUE	# JNTS # JNTS COTAL COTAL COTAGE	NO.	LENGTH DF	IN HOLE	Pump Pump ON SSEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN	O.D.	I.D. 4905.9	LENGT	0.0 0.0 0.0 DRILL	D0 D0 D0 D0 D0 STRING	EVIA TH	TION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. I HRS HRS On I Use Use Fue	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y HRS LAX	1066.00 1148.00 -1066.00	750 I.D.	BOILER	TJ O.D. TJ O.D. TODAY WELL BLOWDOV OLUMES CUM.	SPM 87	Line 6 6 6 THREA	FUE	# JNTS # JNTS COTAL COTAL COTAGE	NO.	LENGTH DF LY DOWN L CT COLLARS	IN HOLE IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	O.D.	I.D. 4905.9	LENGT	0.0 0.0 0.0 DRILL	D0 D0 D0 D0 D0 STRING	EVIA TH	TION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. HRS HRS AVE Use Fue DIST	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT Y HRS LAX 24	1066.00 1148.00 -1066.00	750 I.D.	BOILER	TJ O.D. TJ O.D. TODAY WELL BLOWDOV OLUMES CUM.	SPM 87	Line 6 6 6 THREA	FUE	# JNTS # JNTS COTAL COTAL COTAGE	NO.	LENGTH DF LY DOWN L CT COLLARS	IN HOLE	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	O.D.	I.D. 4905.9	LENGT	H	D0 D0 D0 D0 D0 STRING	EVIA	TION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. HRS HRS AVE Use Fue DIST	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT Y HRS LAX 24	1066.00 1148.00 -1066.00	750 I.D.	BOILER	TJ O.D. TJ O.D. TODAY WELL BLOWDOV OLUMES CUM.	SPM 87	Line 6 6 6 THREA	FUE	# JNTS # JNTS COTAL COTAL COTAGE	NO.	LENGTH DF LY DOWN L CT COLLARS	IN HOLE IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	O.D.	I.D. 4905.9	LENGT	H	DEPT	EVIA TH D	TION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. HRS HRS AVE Use Fue DIST	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT Y HRS LAX 24	1066.00 1148.00 -1066.00	750 I.D.	BOILER	TJ O.D. TJ O.D. TODAY WELL BLOWDOV OLUMES CUM.	SPM 87	Line 6 6 6 THREA	FUE	# JNTS # JNTS COTAL COTAL COTAGE	NO.	LENGTH DF LY DOWN L CT COLLARS	IN HOLE IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	O.D. IDS LES FRO 4676 4740	4905.9 4905.9	LENGT 100 740 304	H DE	DEPT DEPT ODE 6	EVIA TH D	TION INC	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. HRS HRS AVE Use Fue DIST	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT Y HRS LAX 24	1066.00 1148.00 -1066.00	750 I.D.	BOILER	TJ O.D. TJ O.D. TODAY WELL BLOWDOV OLUMES CUM.	SPM 87	Line 6 6 6 THREA	FUE	# JNTS # JNTS COTAL COTAL COTAGE	NO.	LENGTH DF LY DOWN L CT COLLARS	IN HOLE IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	O.D. IDS LES FRO 4676	4905.9 4905.9	LENGT	DE CO	DEPT DEPT ODE 6	EVIA TH I	TION INC	SURV L	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. HRS HRS AVE Use Fue DIST	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT Y HRS LAX 24	1066.00 1148.00 -1066.00	750 I.D.	BOILER	TJ O.D. TJ O.D. TODAY WELL BLOWDOV OLUMES CUM.	SPM 87	Line 6 6 6 THREA	FUE	# JNTS # JNTS COTAL COTAL COTAGE	NO.	LENGTH DF LY DOWN L CT COLLARS	IN HOLE IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	O.D. IDS LES FRO 4676 4740	4905.9 4905.9	LENGT 100 740 304	DE CO	DEPT DEPT ODE 6	EVIA TH I	TION INC	SURV L	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. HRS HRS AVE Use Fue DIST	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT Y HRS LAX 24	1066.00 1148.00 -1066.00	750 I.D.	BOILER	TJ O.D. TJ O.D. TODAY WELL BLOWDOV OLUMES CUM.	SPM 87	Line 6 6 6 THREA	FUE	# JNTS # JNTS COTAL COTAL COTAGE	NO.	LENGTH DF LY DOWN L CT COLLARS	IN HOLE IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	O.D. IDS LES FRO 4676 4740	4905.9 4905.9	LENGT 100 740 304	DE CO	DEPT DEPT ODE 6	EVIA TH I	TION INC	SURV L	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	LOC Co. HRS HRS AVE Use Fue DIST	CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TODA Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT Y HRS LAX 24	1066.00 1148.00 -1066.00	750 I.D.	BOILER	TJ O.D. TJ O.D. TODAY WELL BLOWDOV OLUMES CUM.	SPM 87	Line 6 6 6 THREA	FUE	# JNTS # JNTS COTAL COTAL COTAGE	NO.	LENGTH DF LY DOWN L CT COLLARS	IN HOLE IN HOLE ORILL P	Pump Pump Pump I ON IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1 Q-Z9 2 Q-Z9 3 4 NRACK	RI	9IN 9IN EPAIRS	O.D. IDS LES FRO 4676 4740	4905.9 4905.9	LENGT 100 740 304	DE CO	DEPT DEPT ODE 6	EVIA TH I	TION INC	SURV L	EYS

Р	ONE	ER OI	LFIEL	D SEF	VICES	š, LI	LC				MOI	RNI	NG R	EPOF	₹T	2010		2	RIG NO		В ТҮРЕ	30	OB NO.		WI	ELL TYPE	
WE	LLNAME					<u> </u>				LEGAL	DESCRIPT					1-011		SPUD [ATE / TIN 3-10 1			D/ 29	AYS FR SF	PUD	PR	OJECTED	TD
	ERATOR	RCHER	DANIE	L MIDLA	ND)					COUNT	Y / PARISH On	1				STATE	E		ART DATI			D/ 37	AYS ON JO	ОВ	ES	ST. RELEA	SE
RIG	MANAG WOO	GER			P		ONE NU				TORS REP		TATIVE	Co	D. MAN F	PH NO.		ļ	SE DATE			W	EATHER LOUDY	//38D	EG		
ОР		NS @ REPO	RT TIME															NS NEXT : DRILLI									
		ENTS OR I	NEAR MIS	SES:									# OF JS#	A's RIG		Y DAYS	_	ETY RATE		G.P.S. N 39. 8	COORD 3797 W	INATE	s .8934			TE / PRES	
FETY	SAFET	Y MEETING											# STOP C	ARDS LA		TING DATI	E				N-O-MATI					ATE / TIME	
SAI		NSPECTION		PECTION	BY / TITLE		(CREW	M / U		EXTRA C	REWS /	WHY?	0/2			OF	FFICE NO	TIFIED		URS PAS	ST 24		ВОР	DRILL D	ATE / TIME	<u> </u>
		NT DEPTH		AGE LAST	24 PEN. R			r. HRS	MA	AX. GAS	BCKGR	R GAS	CONN. G	AS TRIP (GAS			SIZE & S	ET DEPTI					RIC	G CO	STS	
OPS	5035 HOOKL	.OAD		ICKUP WE	8.219 IGHT	SL	18.			OTATING	 i	RC	TARY TOR	QUE		13 3/8 NEXT C		SIZE & S	350 ET DEPT	Н		DAIL	<u> </u>	5	S&R	R	ENTAL
	109 Time		t IN / OU					10 S (3EL 10 I	09 M GEL F	I. Loss	FILT C	K HTHP I	L HTTP	FC		FUE	EL ADDEI				DAIL		0.00		0.00	<u> </u>
	11 Mud Tyj	9 pe	1	59 % SOLIDS	15 % LCM %		14 D % OI	3 L % I	24 H2O	pH		1/32 PF	CALCIUN	I CHLORIE	ES	TODAY		MUD CC	CUM. 0	.00			RAGE	0.00		0.00	
MUD		rsed gel	1	0		SHAKI	ER TYPE	95		10		so	56 CREENS	4700		DAILY CHANGE		.50	CUM. 1				ULATIVE ULATIVE	0.00		0.00	
	FROM	то	HRS	CODE	<u> </u>	IATI	ONAL				DETAILS		210	IN SEQUENC	`F	2625.	.00		HYD			DAYS		29.0		29.0) // Well)
	700	715	0.25	21	SAFET							OF OF	EKATIONS	IN SEQUENC	<u>, </u>								1: RIG U	P / DO\	WN		0.5
	715 830	915	1.25 0.75	10	DRILL DEVIA)5 												2: DRILL 3: REAM			18.25	263.75 30.25
	915	1330 1500	4.25 1.5	2	DRILL	ACT	UAL F	ROM	4905	TO 495	68 OFF SI	IDE										1	4: CORIN		RC		54.5 43.25
	1330 1500	1515	0.25	8 21	SAFET	Y ME	EETIN	G		#1 IVI.P	UPF 31	יטב										 -	6: TRIPS		RIG		121.75
	1515 1945	1945 2300	_	2	DRILL DRILL																		8: REPA 9: C/O D	IR RIG		1.5	26.5
	2300	2315	0.25	21	SAFET	Y MI	EETIN	G														-	9: C/O D 10: DEVI	ATION		0.75	10.0
90	2315 0415	1	0.0	6	DRILL P.O.O.I				AP OU	T												<u></u> -	12: RUN	CSG &	CMNT		5.5 28.25
TIME LO																						-	13: WAIT	LE UP	ľ		17.5
¥																						-	15: TEST	L STEN			5.75
									_						_								17: PLU0 18: SQU	EEZE			2.25 1.5
																							19: FISH 20: DIR.				
																										0.75	15.75 10.5
																											3.5
																							071150				0.75
																							OTHER Total H			21.25	6.75 649.75
(0)	BIT#	sız 12 1/4		TYPE C44CDX		IAKE		SEF 51754	40	3x22/1	NOZZ I x 28	ZLES		IN @ 4560	OI	UT @	DR	RILLED	HRS	0.0	CUM. HR	RS		CON	IDITION		ROP
ΙĔ	6	12 1/4						51754	40	222/4	1v28			4500							Λ						
BITS	6	12 1/4		C44CDX C44CDX				51754		3x22/1				4560 4560						0.0							
B								51754	40	3x22/1	1x28	umn 3	Гр	4560		l TV	DE I	STROK	E Mar	0.0	0	RS	Total HRS	s Imax	x PSI L.	SPR K	III (SPM)
	6	12 1/4 Depth		GPM C44CDX	HTC PRESSUR		Pum Liner	517544 np 1 SPM	40 P Line	3x22/1	1x28 Pt	ump 3		4560 ump 4		TY 0.1 Q-Z9)	STROK 9IN	N/A	0.00 0.00 nufactu	0	0	0.00	S MA)	X PSI K	SPR ill Rate K	IILL (SPM)
PUMPS BI	6 4885 - 4958 -	12 1/4 Depth - 4958		GPM C44CDX	НТС	6	Pum Liner	51754 ip 1	Line 6 6	3x22/1	1x28 Pt			4560 ump 4	Pump	1 Q-Z9 2 Q-Z9)			0.00 0.00 nufactu	0	0).00).00).00	S MA)	K PSI K	SPR ill Rate	IILL (SPM)
PUMPS	6 4885 -	Depth 4958 5010 5035		GPM C44CDX	PRESSUR 890	6	Pum Liner	517544 np 1 SPM 89	40 Pine	3x22/1	1x28 Pt	r SP		4560 ump 4	Pump Pump	1 Q-Z9 2 Q-Z9	9	9IN	N/A	0.00 0.00 nufactu	0	0 0).00).00			SPR KIII Rate	ILL (SPM)
STRG PUMPS	4885 - 4958 - 5010 -	Depth - 4958 - 5010 - 5035	4 VG	GPM	PRESSUR 890	6	Pum Liner 6	517544 np 1 SPM 89	40 P Line 6 6 6	3x22/1	Pu M Line	r SP	M Line	4560 Fump 4 Per SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3 3	9	9IN 9IN	N/A	0.00 0.00 nufactu	0	0 0).00).00).00).00			SPR ill Rate	(ILL (SPM)
STRG PUMPS	4885 - 4958 - 5010 -	Depth - 4958 - 5010 - 5035	4 VG	GPM	PRESSUR 890	6	Pum Liner 6	517544 np 1 SPM 89	40 P Line 6 6 6	3x22/1	Pu M Line	r SP	M Line	4560 Fump 4 Per SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3 3	9	9IN 9IN	N/A	0.00 0.00 nufactu	0	0 0).00).00).00).00			SPR iil Rate	ILL (SPM)
STRG PUMPS	4885 - 4958 - 5010 - SIZ	Depth 4958 5010 5035	4 VG	GPM	PRESSUR 890	6	Pum Liner 6	517544 np 1 SPM 89	40 P Line 6 6 6	3x22/1	Pu M Line	r SP	LENGTH	4560 Pump 4 Pump 4 Pump IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufactu	0 0 rer Hi	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	S REMA	ARKS		
DRLLSTRG PUMPS	4885 - 4958 - 5010 - SIZ	Depth - 4958 - 5010 - 5035 ZE	4 VG	GPM	PRESSUR 890	6	Pum Liner 6	517544 np 1 SPM 89	40 P Line 6 6 6	3x22/1	Pu M Line	r SP	LENGTH	4560 Pump 4 Pump 4 Pump 4 IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN	N/A	0.00 0.00 nufactu	0	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	
DRLLSTRG PUMPS	4885 - 4958 - 5010 - SIZ LOCATI Co. No.	Depth - 4958 - 5010 - 5035 ZE	4 VG	GPM	PRESSUR 890	6	Pum Liner 6	517544 np 1 SPM 89	40 P Line 6 6 6	3x22/1	Pu M Line	r SP	LENGTH	4560 Pump 4 Pump 4 Pump 4 IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O Ter HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	EYS
PUMPS	4885 - 4958 - 5010 - SIZ LOCATI Co. No. HRS TO HRS LA	Depth 4958 5010 5035 ZE	4 VG	GPM	PRESSUR 890	6	Pum Liner 6	517544 np 1 SPM 89	40 P Line 6 6 6	3x22/1	Pu M Line	r SP	LENGTH	4560 Pump 4 Pump 4 Pump 4 IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O Ter HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	EYS
DRLLSTRG PUMPS	4885 - 4958 - 5010 - SIZ LOCATI Co. No. HRS TO HRS LA AVERA	Depth 4958 5010 5035 ZE TION DDAY N WELL AST CHGE AGE KVA ERED TODA	WEIGHT	GPM GRADI	PRESSUR 890		Pum Liner 6 6 6 TJ O.D.	51754d np 1 SPM 89	40 P Line 6 6 6	3x22/1	Pu M Line	r SP	LENGTH	4560 Pump 4 Pump 4 Pump 4 IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O Ter HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	EYS
ENGINES DRLLSTRG PUMPS	4885 - 4958 - 5010 - SIZ LOCATI Co. No. HRS TO HRS ON HRS LA	Depth 4958 5010 5035 ZE DDAY N WELL AST CHGE AGE KVA ERED TODA	WEIGHT	GPM	PRESSUR 890		Pum Liner 6	51754d np 1 SPM 89	P Line 6 6 6 THREA	3x22/1	Pu Line	r SP	LENGTH	4560 Pump 4 Pump 4 Pump 4 IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O Ter HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	EYS
ENGINES DRLLSTRG PUMPS	4885 - 4958 - 5010 - SIZ LOCATI Co. No. HRS TO HRS LA AVERA DELIVE On Har Used T	Depth 4958 5010 5035 ZE CION DDAY N WELL AST CHGE AGE KVA ERED TODA Individual of the control of the	WEIGHT	GPM GRADI	PRESSUR 890	OILER	Pum Liner 6 6 6 7 TJ O.D. TODAY WELL BOILER	517544 np 1 SPM 89	P Line 6 6 6 THREA	3x22/1	Pu Line	r SP	LENGTH	4560 Pump 4 Pump 4 Pump 4 IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O Ter HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS LA AVERA DELIVE On Har Used T	Depth 4958 5010 5035 ZE DODAY N WELL AST CHGE AGE KVA ERED TODA Today This Well rand	WEIGHT	GPM GRADI	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME	517544 19 1 SPM 89	PP Line 6 6 6 THREA	3x22/1	# JNTS	r SP	LENGTH	4560 Pump 4 Pump 4 Pump 4 IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O Ter HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS CO HRS TO Used T Used T Fuel Bi DISTRII	Depth 4958 5010 5035 ZE DODAY N WELL AST CHGE AGE KVA ERED TODA Today This Well rand	WEIGHT	GPM GRADE 1886.00 -820.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 7 TJ O.D. TODAY WELL BOILER	51754- 1	P Line 6 6 6 THREA	3x22/1	Pu Line	r SP	LENGTH	4560 Pump 4 Pump 4 Pump 4 IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O Ter HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS CO HRS TO Used T Used T Fuel Bi DISTRII	Depth 4958 5010 5035 ZE TION DDAY N WELL AST CHGE AGE KVA ERED TODA Individual of the control of the	WEIGHT HRS LA	GPM GRADE 1886.00 -820.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	51754- 1	P Line 6 6 6 THREA	3x22/1	# JNTS	r SP	LENGTH	4560 Pump 4 Pump 4 Pump 4 IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O Ter HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	EYS
ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS CO HRS TO Used T Used T Fuel Bi DISTRII	Depth 4958 5010 5035 ZE TION DDAY N WELL AST CHGE AGE KVA ERED TODA Individual of the control of the	WEIGHT HRS L	GPM GRADE 1886.00 -820.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	517544 19 1 SPM 89 H- DWN ES	PP Line 6 6 6 THREA HOURS	3x22/1	# JNTS	r SP	LENGTH	4560 Pump 4 Pump 4 Pump 4 IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS CO HRS TO Used T Used T Fuel Bi DISTRII	Depth 4958 5010 5035 ZE TION DDAY N WELL AST CHGE AGE KVA ERED TODA Individual of the control of the	WEIGHT HRS L	GPM GRADI 1886.00 -820.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	517544 19 1 SPM 89 H- DWN ES	PP Line 6 6 6 THREA HOURS	Sump 2 Pump 2 Pump 89 AD FUE	# JNTS # JNTS FL USED	r SP	LENGTH	4560 Pump 4 Pump 4 Pump 4 IN HOLI	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	PEVIA	ARKS	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS CO HRS TO Used T Used T Fuel Bi DISTRII	Depth 4958 5010 5035 ZE TION DDAY N WELL AST CHGE AGE KVA ERED TODA Individual of the control of the	WEIGHT HRS L	GPM GRADI 1886.00 -820.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	517544 19 1 SPM 89 H- DWN ES	PP Line 6 6 6 THREA HOURS	Sump 2 Pump 2 Pump 89 AD FUE	# JNTS # JNTS FL USED	r SP	LENGTH	ASOO Pump 4 Pr SPM IN HOLI	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	DEVIA TH	ARKS	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS CO HRS TO Used T Used T Fuel Bi DISTRII	Depth 4958 5010 5035 ZE TION DDAY N WELL AST CHGE AGE KVA ERED TODA Individual of the control of the	WEIGHT HRS L	GPM GRADI 1886.00 -820.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	517544 19 1 SPM 89 H- DWN ES	PP Line 6 6 6 THREA HOURS	Sump 2 Pump 2 Pump 89 AD FUE	# JNTS # JNTS FL USED	NO.	LENGTH	4560 Pump 4 Pump 4 Pump 4 IN HOLI	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN EPAIRS	N/A N/A	0.00 0.00 nufactu	O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	DEVIA TH	ATION INC	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS CO HRS TO Used T Used T Fuel Bi DISTRII	Depth 4958 5010 5035 ZE TION DDAY N WELL AST CHGE AGE KVA ERED TODA Individual of the control of the	WEIGHT HRS L	GPM GRADI 1886.00 -820.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	517544 19 1 SPM 89 H- DWN ES	PP Line 6 6 6 THREA HOURS	Sump 2 Pump 2 Pump 89 AD FUE	# JNTS # JNTS FL USED	NO. 1	LENGTH DF KELL LY DOWN	ASOO Pump 4 Pr SPM IN HOLI	Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN EPAIRS	N/A N/A O.D.	0.00 0.00 nufactu	LENG 41	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 0.00 LL STRING	DEVIA TH	ATION INC	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4885 - 4958 - 5010 - SIZ LOCATI Co. No. HRS TO HRS LA AVERA DELIVE On Har Used T Fuel Br DISTRII	Depth 4958 5010 5035 ZE CION DDAY N WELL AST CHGE AGE KVA ERED TODA India Today This Well rand BUTOR RIAL #	WEIGHT HRS L.	GPM GRADI 1886.00 -820.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	517544 19 1 SPM 89 H- DWN ES	PP Line 6 6 6 THREA HOURS	Sump 2 Pump 2 Pump 89 AD FUE	# JNTS # JNTS FL USED	NO. I KELL TOTA WT 0	LENGTH DF KELLY A A A A A A A A A A A A A	ASOO Pump 4 Pr SPM IN HOLI	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN EPAIRS	N/A N/A O.D.	I.D.	LENG 41	DRIL	DEP 4800	DEVIATH	ATION INC 3/4	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4885 - 4958 - 5010 - SIZ LOCATI Co. No. HRS TO HRS LA AVERA DELIVE On Har Used T Fuel BI DISTRII	Depth 4958 5010 5035 ZE DODAY N WELL AST CHGE AGE KVA ERED TODA Ind Today This Well rand BUTOR RIAL #	WEIGHT HRS LA 24	1886.00 -1886.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	517544 19 1 SPM 89 H- DWN ES	PP Line 6 6 6 THREA HOURS	Sump 2 Pump 2 Pump 89 AD FUE	# JNTS # JNTS FL USED	NO. I KELL TOTA WT 0	LENGTH DF KELLY A A A A A A A A A A A A A	ASOO Pump 4 Pr SPM IN HOLI ORILLING A	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN EPAIRS	N/A N/A O.D.	I.D. 41.00	LENG 41	D D	DEPTH CODE	DEVIA	ATION INC 3/4	SURVI	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4885 - 4958 - 5010 - SIZ LOCATI Co. No. HRS TO HRS LA AVERA DELIVE On Har Used T Fuel BI DISTRII	Depth 4958 5010 5035 ZE CION DDAY N WELL AST CHGE AGE KVA ERED TODA India Today This Well rand BUTOR RIAL #	WEIGHT HRS LA 24	1886.00 -1886.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	517544 19 1 SPM 89 H- DWN ES	PP Line 6 6 6 THREA HOURS	Sump 2 Pump 2 Pump 89 AD FUE	# JNTS # JNTS FL USED	NO. I KELL TOTA WT 0	LENGTH DF KELLY A A A A A A A A A A A A A	ASOO Pump 4 Pr SPM IN HOLI ORILLING A	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN EPAIRS	N/A N/A O.D.	I.D. 41.00	LENG 41	DD	DEPTH CODE D	DEVIA	ATION INC 3/4 DIRECTIO	SURVI	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4885 - 4958 - 5010 - SIZ LOCATI Co. No. HRS TO HRS LA AVERA DELIVE On Har Used T Fuel BI DISTRII	Depth 4958 5010 5035 ZE DODAY N WELL AST CHGE AGE KVA ERED TODA Ind Today This Well rand BUTOR RIAL #	WEIGHT HRS LA 24	1886.00 -1886.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	517544 19 1 SPM 89 H- DWN ES	PP Line 6 6 6 THREA HOURS	Sump 2 Pump 2 Pump 89 AD FUE	# JNTS # JNTS FL USED	NO. I KELL TOTA WT 0	LENGTH DF KELLY A A A A A A A A A A A A A	ASOO Pump 4 Pr SPM IN HOLI ORILLING A	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN EPAIRS	N/A N/A O.D. O.D. FRO 4885	I.D. 41.00	D	DD DC	DEPTH CODE DEPTH	DEVIATH BRIDE	ATION INC 3/4 DIRECTIO	SURVI	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4885 - 4958 - 5010 - SIZ LOCATI Co. No. HRS TO HRS LA AVERA DELIVE On Har Used T Fuel BI DISTRII	Depth 4958 5010 5035 ZE DODAY N WELL AST CHGE AGE KVA ERED TODA Ind Today This Well rand BUTOR RIAL #	WEIGHT HRS LA 24	1886.00 -1886.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	517544 19 1 SPM 89 H- DWN ES	PP Line 6 6 6 THREA HOURS	Sump 2 Pump 2 Pump 89 AD FUE	# JNTS # JNTS FL USED	NO. I KELL TOTA WT 0	LENGTH DF KELLY A A A A A A A A A A A A A	ASOO Pump 4 Pr SPM IN HOLI ORILLING A	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN EPAIRS	N/A N/A N/A O.D. O.D. SLES 4885 4958	I.D. 41.00	D	DRILL TH	DEPTH CODE DOD DOD DOD DOD DOD DOD DOD DOD DOD	DEVIATH 600 644	ATION INC 3/4 DIRECTIO	SURVI	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4885 - 4958 - 5010 - SIZ LOCATI Co. No. HRS TO HRS LA AVERA DELIVE On Har Used T Fuel BI DISTRII	Depth 4958 5010 5035 ZE DODAY N WELL AST CHGE AGE KVA ERED TODA Ind Today This Well rand BUTOR RIAL #	WEIGHT HRS LA 24	1886.00 -1886.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	517544 19 1 SPM 89 H- DWN ES	PP Line 6 6 6 THREA HOURS	Sump 2 Pump 2 Pump 89 AD FUE	# JNTS # JNTS FL USED	NO. I KELL TOTA WT 0	LENGTH DF KELLY A A A A A A A A A A A A A	ASOO Pump 4 Pr SPM IN HOLI ORILLING A	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN EPAIRS	O.D. O.D. FROM 4885 4958 5010	I.D. 41.00	D	DRILL TH	DEPTH CODE DOD DOD DOD DOD DOD DOD DOD DOD DOD	DEVIATH DRII 60 64 67	ATION INC 3/4 DIRECTIO	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	4885 - 4958 - 5010 - SIZ LOCATI Co. No. HRS TO HRS LA AVERA DELIVE On Har Used T Fuel BI DISTRII	Depth 4958 5010 5035 ZE DODAY N WELL AST CHGE AGE KVA ERED TODA Ind Today This Well rand BUTOR RIAL #	WEIGHT HRS LA 24	1886.00 -1886.00 -1886.00	PRESSUR 890	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	517544 19 1 SPM 89 H- DWN ES	PP Line 6 6 6 THREA HOURS	Sump 2 Pump 2 Pump 89 AD FUE	# JNTS # JNTS FL USED	NO. I KELL TOTA WT 0	LENGTH DF KELLY A A A A A A A A A A A A A	ASOO Pump 4 Pr SPM IN HOLI ORILLING A	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	R	9IN 9IN EPAIRS	O.D. O.D. FROM 4885 4958 5010	I.D. 41.00	D	DRILL TH	DEPTH CODE DOD DOD DOD DOD DOD DOD DOD DOD DOD	DEVIATH DRII 60 64 67	ATION INC 3/4 DIRECTIO	SURVI	EYS

Р	101	NEER	OIL	.FIELI) SEF	RVICES	S. L	LC				MOI	RNI	NG R	EPOF	?T	DATE 201	0102	3	RIG NO	J. JU	В ТҮРЕ	30	B NO.		l w	ELL TYPE	•
WE	ELLN	NAME I Verific									LEGAL	DESCRIPT		1101		<u> </u>	2010	0102	SPUD D	15 ATE / TII -10			D/ 30	AYS FR SI	PUD	Pi	ROJECTE) TD
ОР	ERA	ATOR I (ARCH				AND)					соинт	Y / PARISH On	<u> </u>				STATI	E	JOB ST	ART DAT				YS ON J	ОВ	E	ST. RELE	ASE
RIG	э ма	ANAGER				ĺ		HONE NU			OPERA	TORS REP		TATIVE	co	D. MAN F			+	SE DATE			W	EATHER LOUDY	//59 d	da rain	poss.	
ОР	ERA	ATIONS @		RT TIME															NS NEXT :							9		
	AC	CCIDENTS One		EAR MISS	SES:									# OF JS#	's RIG		Y DAYS	_	ETY RATE		G.P.S. N 39. 8	COORD 3797 W	INATE / -88.	s 8934			ATE / PRES	
FETY	SA	AFETY ME			ael &a	hem								# STOP C	ARDS LAS		TING DAT	Ē				N-O-MATI					OATE / TIM	
SAI		AST INSPE				BY / TITLE			CREW	M / U		EXTRA C	REWS /	WHY?	0/2			0	FFICE NO	TIFIED		OURS PAS	ST 24		ВОР	DRILL D	DATE / TIM	E
		JRRENT D	EPTH		GE LAST	24 PEN. I			T. HRS	М	AX. GAS	BCKGR	RGAS	CONN. G	AS TRIP O	SAS			SIZE & S	ET DEPT					RIC	G CO	STS	
OPS	но	256 DOKLOAD			CKUP WE	11.79 IGHT	SI	18.			ROTATING	<u> </u> 3	RO	TARY TOR	QUE		13 3/8 NEXT C		SIZE & S	350 ET DEPT	Н		DAIL	·	,	S&R		RENTAL
	10 Tin	me N		IN / OUT	Funne			YLD PT	10 S (GEL 10	09 м gel f	I. Loss	FILT CI	K HTHP I	L HTTP	FC		FU	EL ADDE				AVER		0.00	n	0.0	<u> </u>
MUD		ud Type		9/	56 SOLIDS	19 % LCM		17 D % OI			pH	MF I	PF	CALCIUN			TODAY		MUD CO					ULATIVE	0.00		0.0	
Ĭ	_	spersed ENTRIFUGI		5		l l	-	ER TYPE	95	<u> </u>	10			48 CREENS	4500		CHANG	ED		WATER		:	CUMU	JLATIVE	30.0		30.	
	FF	ROM	то	HRS	CODE		VAT	ONAL				DETAILS		210 ERATIONS	IN SEQUENC	E	2625.	.00		HYD			DAYS	TIME BRI				y / Well)
	70 71				21 6	SAFET TRIP C																		1: RIG U		WN	18.75	0.5 282.5
	81	15 11	145	3.5	6	TRIP II	N HC	LE WI	TH BI														-	3: REAM	IING		.5.15	30.25 54.5
					2 21	DRILL SAFET				5074	TO 510	06											-	4: CORII	. & CII	RC	A F	43.25
	15	515 19		3.75	2	DRILL	FRC	M 510	6 TO			R BELT	•										-	6: TRIPS	ICATE		4.5	126.25
	19	930 23	300	3.5	2	DRILL	FRC	M 514	1 TO		MAIE	n deli												8: REPA 9: C/O D	RILL L	INE		26.5
			315 700		<u>21</u> 2	SAFE1 DRILL				56														10: DEV 11: WIRI				2.0
507	Ē																						-	12: RUN 13: WAI				5.5 28.25
TIME	E																							14: NIPF		ВОР		17.5 5.75
	H																							16: DRIL 17: PLU				2.25
	F																							18: SQU 19: FISH		CMNT		1.5
	E																						_	20: DIR.	WORK	<u> </u>	0.75	16.5
	E																											10.5 3.5
	H																						-					
	E																						_	OTHER			0.0	6.75
		BIT#	SIZE		ГҮРЕ		NAKE			RIAL#		NOZZ	ZLES		IN @	Ol	UT @	DF	RILLED	HRS		CUM. HR		Total H		NDITION	24.0	673.75 R O P
BITS	7		12 1/4 12 1/4	_	44DX	HTC			60718 60718		4x22 4x22				5074													
ım			, .	Onc	44DX	HTC			001.0	12	4XZZ				5074													
_	7	1	12 1/4		344DX 344DX	HTC			60718		4x22 4x22				5074						0.0	0						
	7	Dept	12 1/4	GXC			RE	Pun	60718 ip 1	12 F	4x22 Pump 2	_	ump 3		5074 ump 4	Pumn		(PE	STROK		nufactu				S MA	X PSI	SPR (ill Rate	KILL (SPM)
	7 50 51	Dept	12 1/4 th	GXC	GPM	HTC		Pun Liner	60718	12 Find	4x22 Pump 2	_			5074 ump 4	Pump	1 Q-Z9 2 Q-Z9	9	STROKI 9IN 9IN	E Mar N/A	nufactu		0	0.00	S MA	X PSI	SPR (ill Rate	KILL (SPM)
PUMPS		Dept 074 - 510 106 - 175 - 525	12 1/4 th	555	GPM 5	PRESSUF		Pun Liner 6 6	60718 np 1 SPM 89	12 F Line 6 6 6	4x22 Pump 2 er SP 88	M Line	r SP	PM Line	5074 ump 4 er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N/A	nufactu		0 0 0	0.00 0.00 0.00			SPR (ill Rate	KILL (SPM)
PUMPS		Dept 074 - 510	12 1/4 th	GXC	GPM	PRESSUF		Pun Liner 6	60718 np 1 SPM 89	12 Line 6 6	4x22 Pump 2 er SP 88	_	r SP		5074 ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9	9	9IN	N/A	nufactu		0 0 0	0.00			SPR (ill Rate	KILL (SPM)
STRG PUMPS		Dept 074 - 510 106 - 175 - 525	12 1/4 th	555	GPM 5	PRESSUF		Pun Liner 6 6	60718 np 1 SPM 89	12 F Line 6 6 6	4x22 Pump 2 er SP 88	M Line	r SP	PM Line	5074 ump 4 er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N/A	nufactu		0 0 0	0.00 0.00 0.00			SPR (ill Rate	KILL (SPM)
PUMPS		Dept 074 - 510 106 - 175 - 525	12 1/4 th	555	GPM 5	PRESSUF		Pun Liner 6 6	60718 np 1 SPM 89	12 F Line 6 6 6	4x22 Pump 2 er SP 88	M Line	r SP	PM Line	5074 ump 4 er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N/A	nufactu		0 0 0	0.00 0.00 0.00 0.00 L STRING	G REM	ARKS		
DRLLSTRG PUMPS	51	Dept 074 - 510 106 - 175 - 525	12 1/4 th	555	GPM 5	PRESSUF		Pun Liner 6 6	60718 np 1 SPM 89	12 F Line 6 6 6	4x22 Pump 2 er SP 88	M Line	r SP	PM Line	5074 ump 4 er SPM	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	nufactu		0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ATION	I SURV	EYS
DRLLSTRG PUMPS	LO Co	Dept 074 - 510 106 - 175 - 525 SIZE DCATION D. No.	12 1/4 th	555	GPM 5	PRESSUF		Pun Liner 6 6	60718 np 1 SPM 89	12 F Line 6 6 6	4x22 Pump 2 er SP 88	M Line	r SP	PM Line	SPM IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A	nufactu	rer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ARKS	I SURV	
STRG PUMPS	LO Co HR HR	Dept 074 - 510 106 - 175 - 525 SIZE DCATION D. No. RS TODAY RS ON WEI	th 16 6 V	555	GPM 5	PRESSUF		Pun Liner 6 6	60718 np 1 SPM 89	12 F Line 6 6 6	4x22 Pump 2 er SP 88	M Line	r SP	PM Line	SPM IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A	nufactu	rer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ATION	I SURV	EYS
DRLLSTRG PUMPS	LO Co HR HR AV	Dept 074 - 510 106 - 175 - 525 SIZE DCATION D. No. RS TODAY RS ON WEI	th 06 V	SSS VEIGHT	GPM 5	PRESSUF		Pun Liner 6 6	60718 np 1 SPM 89	12 F Line 6 6 6	4x22 Pump 2 er SP 88	M Line	r SP	PM Line	SPM IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A	nufactu	rer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ATION	I SURV	EYS
ENGINES DRLLSTRG PUMPS	LO Co HR HR AV	Dept 074 - 510 106 - 175 - 525 SIZE DCATION D. No. RS TODAY RS ON WEI RS LAST C	th 66 V CLL CHGE (VA	GXC 555	GPM GRAD	PRESSUF		Pum Liner 6 6 6 TJ O.D.	60718 np 1 SPM 89	12 F Line 6 6 6 THRE	4x22 Pump 2 er SP 88	# JNTS	r SP	PM Line	SPM IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A	nufactu	rer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ATION	I SURV	EYS
ENGINES DRLLSTRG PUMPS	LO Coo HR HR Or Uss	Dept 074 - 510 106 - 175 - 525 SIZE DOCATION D. No. RS TODAY RS ON WEI RS LAST C VERAGE K ELIVERED IN Hand	th 66 V CHGE (VA	S555	GPM GRAD	PRESSUF		Pum Liner 6 6 TJ O.D. TODAY WELL BOILER	60718 hp 1 SPM 89	12 F Line 6 6 6 THRE	4x22 Pump 2 er SP 88	# JNTS	r SP	PM Line	SPM IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A	nufactu	rer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ATION	I SURV	EYS
DRLLSTRG PUMPS	LO Co HR HR AV DE Or Us Fu	Dept 074 - 510 106 - 175 - 525 SIZE DCATION D. NO. RS TODAY RS ON WEI RS LAST C VERAGE K ELIVERED In Hand sed Today sed This W	th 66 V CLL CHGE CVA TODA	GXC 555	GPM GRAD	PRESSUF	LER	Pum Liner 6 6 TJ O.D.	89 #	12 F Line 6 6 6 THRE	4x22 Pump 2 er SP 88	# JNTS	r SP	PM Line	SPM IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A	nufactu	rer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ATION	I SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV	Dept 074 - 510 106 - 175 - 525 SIZE DOCATION D. No. RS TODAY RS ON WEI RS LAST C VERAGE K ELIVERED In Hand sed Today sed This W uel Brand	th 66 V CHGE (VA TODA Vell DR	S555	GPM GRAD	PRESSUF	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO	89 H	12 F Line 6 6 6 THRE	4x22 Pump 2 er SP 88 AD FU	# JNTS	r SP	PM Line	SPM IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A	nufactu	rer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ATION	I SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV	Depti 074 - 510 106 - 175 - 525 SIZE DOCATION D. NO. RS TODAY RS ON WEI RS LAST C VERAGE K ELIVERED IN Hand ISEN TODAY Sed Today	th 66 V CHGE (VA TODA Vell DR	GXC 555	GPM GRAD	PRESSUF 1970	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	89 H	Lind 6 6 6 THREA	4x22 Pump 2 er SP 88 AD FU	# JNTS	r SP	PM Line	SPM IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A	nufactu	rer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ATION	I SURV	EYS
ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV	Depti 074 - 510 106 - 175 - 525 SIZE DOCATION D. NO. RS TODAY RS ON WEI RS LAST C VERAGE K ELIVERED IN Hand ISEN TODAY Sed Today	th 66 V CHGE (VA TODA Vell DR	GXC 555	GPM GRAD	PRESSUF 1970	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	# DWN ES	Lind 6 6 6 THREA	4x22 Pump 2 er SP 88 AD FU	# JNTS	r SP	PM Line	SPM IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A	nufactu	rer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	PEVIA	ATION	I SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV	Depti 074 - 510 106 - 175 - 525 SIZE DOCATION D. NO. RS TODAY RS ON WEI RS LAST C VERAGE K ELIVERED IN Hand ISEN TODAY Sed Today	th 66 V CHGE (VA TODA Vell DR	GXC 555	GPM GRAD	PRESSUF 1970	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	# DWN ES	Lind 6 6 6 6 THREA	4x22 Pump 2 er SP 88 AD FU	# JNTS # JNTS TOTAL DOTAGE	r SP	PM Line	SPM IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A	nufactu	rer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVI/	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV	Depti 074 - 510 106 - 175 - 525 SIZE DOCATION D. NO. RS TODAY RS ON WEI RS LAST C VERAGE K ELIVERED IN Hand ISEN TODAY Sed Today	th 66 V CHGE (VA TODA Vell DR	GXC 555	GPM GRAD	PRESSUF 1970	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	# DWN ES	Lind 6 6 6 6 THREA	4x22 Pump 2 er SP 88 AD FU	# JNTS # JNTS TOTAL DOTAGE	r SP	PM Line	SPM IN HOLE	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A O.D.	nufactu	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVI/	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV	Depti 074 - 510 106 - 175 - 525 SIZE DOCATION D. NO. RS TODAY RS ON WEI RS LAST C VERAGE K ELIVERED IN Hand ISEN TODAY Sed Today	th 66 V CHGE (VA TODA Vell DR	GXC 555	GPM GRAD	PRESSUF 1970	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	# DWN ES	Lind 6 6 6 6 THREA	4x22 Pump 2 er SP 88 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF	IN HOLE	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A O.D.	I.D.	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVI/	ATION	I SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV	Depti 074 - 510 106 - 175 - 525 SIZE DOCATION D. NO. RS TODAY RS ON WEI RS LAST C VERAGE K ELIVERED IN Hand ISEN TODAY Sed Today	th 66 V CHGE (VA TODA Vell DR	GXC 555	GPM GRAD	PRESSUF 1970	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	# DWN ES	Lind 6 6 6 6 THREA	4x22 Pump 2 er SP 88 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL of COLLARS	IN HOLE ORILL F	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A O.D.	I.D. 5281.	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVI/	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV DE Or Us Fu	Depti 074 - 510 106 - 175 - 525 SIZE DOCATION D. NO. RS TODAY RS ON WEI RS LAST C VERAGE K ELIVERED IN Hand ISEN TODAY Sed Today	th 66 66 V LL CHGE (VA TODA) Well #	GXC 555	GPM GRAD	PRESSUF 1970	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	# DWN ES	Lind 6 6 6 6 THREA	4x22 Pump 2 er SP 88 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL of COLLARS	SPM IN HOLE DRILL F	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A O.D.	I.D.	LENG	DRIL	0.00 0.00 0.00 0.00 L STRING	DEVI/ TH	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV DE Or Us Fu	Depti 1774 - 510 106 - 175 - 525 SIZE DOCATION D. No. RS TODAY RS ON WEI RS LAST COVERAGE KELIVERED IN Hand Sed Today Sed This Would Brand ISTRIBUTO SERIAL #	th 66 66 V LL CHGE (VA TODA) Well #	GXC 555	GPM GRAD	PRESSUF 1970	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	# DWN ES	Lind 6 6 6 6 THREA	4x22 Pump 2 er SP 88 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL of COLLARS	IN HOLE ORILL F	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A N/A N/A O.D. O.D. FRO	I.D. 5281.	LENG	DD D	DEP DEP CODE	DEVI	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV DE Or Us Fu	Depti 1774 - 510 106 - 175 - 525 SIZE DOCATION D. No. RS TODAY RS ON WEI RS LAST COVERAGE KELIVERED IN Hand Sed Today Sed This Would Brand ISTRIBUTO SERIAL #	th 66 66 V LL CHGE (VA TODA) Well #	GXC 555	GPM GRAD	PRESSUF 1970	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	# DWN ES	Lind 6 6 6 6 THREA	4x22 Pump 2 er SP 88 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL of COLLARS	IN HOLE ORILL F	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	5281. 312.7	LENG 67 67 5106	DD DRILL	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIATH 65	ATION	ONS TO	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV DE Or Us Fu	Depti 1774 - 510 106 - 175 - 525 SIZE DOCATION D. No. RS TODAY RS ON WEI RS LAST COVERAGE KELIVERED IN Hand Sed Today Sed This Would Brand ISTRIBUTO SERIAL #	th 66 66 V LL CHGE (VA TODA) Well #	GXC 555	GPM GRAD	PRESSUF 1970	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	# DWN ES	Lind 6 6 6 6 THREA	4x22 Pump 2 er SP 88 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL of COLLARS	IN HOLE ORILL F	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	5281. 312.7	LENG 67 67	DD	DEP DEP DEP DEP DEP DEP DEP DEP	DEVI/TH 65	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV DE Or Us Fu	Depti 1774 - 510 106 - 175 - 525 SIZE DOCATION D. No. RS TODAY RS ON WEI RS LAST COVERAGE KELIVERED IN Hand Sed Today Sed This Would Brand ISTRIBUTO SERIAL #	th 66 66 V LL CHGE (VA TODA) Well #	GXC 555	GPM GRAD	PRESSUF 1970	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	# DWN ES	Lind 6 6 6 6 THREA	4x22 Pump 2 er SP 88 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL of COLLARS	IN HOLE ORILL F	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	5281. 312.7	LENG 67 67 5106	DD	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIATH 65	ATION	ONS TO	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV DE Or Us Fu	Depti 1774 - 510 106 - 175 - 525 SIZE DOCATION D. No. RS TODAY RS ON WEI RS LAST COVERAGE KELIVERED IN Hand Sed Today Sed This Weight Brand ISTRIBUTO SERIAL #	th 66 66 V LL CHGE (VA TODA) Well #	GXC 555	GPM GRAD	PRESSUF 1970	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	# DWN ES	Lind 6 6 6 6 THREA	4x22 Pump 2 er SP 88 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL of COLLARS	IN HOLE ORILL F	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	5281. 312.7	LENG 67 67 5106	DD	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIATH 65	ATION	ONS TO	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Coo HR HR AV DE Or Us Fu	Depti 1774 - 510 106 - 175 - 525 SIZE DOCATION D. No. RS TODAY RS ON WEI RS LAST COVERAGE KELIVERED IN Hand Sed Today Sed This Weight Brand ISTRIBUTO SERIAL #	th 66 66 V LL CHGE (VA TODA) Well #	GXC 555	GPM GRAD	PRESSUF 1970	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	# DWN ES	Lind 6 6 6 6 THREA	4x22 Pump 2 er SP 88 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL of COLLARS	IN HOLE ORILL F	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	5281. 312.7	LENG 67 67 5106	DD	DEP DEP DEP DEP DEP DEP DEP DEP	DEVIATH 65	ATION	ONS TO	EYS

Р	IOI	NEEF	R OIL	FIEL	D SE	RVICES	S. LL	LC				MO	RNI	NG F	REPO	?T	DATE 201	0102	1	RIG N	O. JO	В ТҮРЕ	JO	B NO.		W	ELL TYPE	
WE	LLN	AME Verific									LEGAL	DESCRIPT		1101	<u>(L. O.</u>	<u> </u>	2010	0102	SPUD I	15 ATE / TII -10			DA 31	AYS FR S	PUD	PF	ROJECTED) TD
ОРІ	ERA	TOR			L MIDL	AND)					соинт	TY / PARISH	1				STATI	E	JOB ST	ART DAT 5-10 1	E			AYS ON J	ОВ	E	ST. RELEA	ASE
RIG	э ма	NAGER				, R		ONE NU			OPERA	ATORS REP		TATIVE	C	D. MAN			+	SE DATE			WE	EATHER LOUDY	//59 c	da rain	poss.	
ОРІ	ERA	TIONS @	REPO	RT TIME		1			-		• '							RATION	NS NEXT	24 HRS						<u> </u>	,	
		CIDENT	S OR N	NEAR MI	SSES:									# OF JS	A's Rio		TY DAYS		ETY RATI		G.P.S. N 39. 8	coord 3 796 W	INATE:	s .8934			TE / PRES	
FETY	SA	AFETY MI												# STOP (CARDS LA		TING DAT	E				N-O-MATI					ATE / TIM	
SAI		ST INSPI				BY / TITLE		(CREW	M / U		EXTRA (CREWS	/ WHY?	0,1			OI	FFICE NO	TIFIED		URS PAS	ST 24		ВОР	DRILL D	ATE / TIM	E
10		RRENT I	DEPTH		AGE LAST	24 PEN. R			Γ. HRS	M	AX. GAS	BCKGI	R GAS	CONN. G	AS TRIP	GAS	LAST C.		SIZE & S						RI	G CO	STS	
OPS	но	OKLOAD)		PICKUP WI	11.63 EIGHT	SL	5.5			OTATING	<u> </u>	R	OTARY TO	RQUE				SIZE & S	350 ET DEPT	'H		DAIL	<u>, </u>		S&R	F	RENTAL
	10 Tim	ne		t IN / O		el Vis PV	109		10 S C		09 M GEL F	FI. Loss	FILT C	к нтнр	FL HTTP	FC		FUI	EL ADDEI						0.0	<u> </u>	0.0	
9		d Type	9		% SOLIDS	6 % LCM %	SANE) % OII	 L %	H2O	pH	MF	PF	CALCIUI	M CHLORIE	ES	TODAY		MUD CC				AVER	ULATIVE				
MUD	_	spersec			5			ER TYPE	95	; <u> </u>	10			48 CREENS	4500		DAILY (ED	50	CUM. 1 WATER				JLATIVE	-		0.00	
	FF	ROM	ТО	HRS	CODE	N	IATIO	ONAL				DETAILS		210 ERATIONS	IN SEQUEN	E	2625.	.00		HYD			DAYS	TIME BR	31.0		31.0 (Toda	y / Well)
	70			0.25	21	SAFET				5050	FO F 0 7													1: RIG L	JP / DO		5.5	0.5
	71 80			0.75 0.75	2 22	W.O.O	ACT	UAL F	ROW	5256	10527	5												2: DRILI 3: REAM	/ING		5.5	30.25
	84 13			4.75 0.75	6	DRILL SHORT			ROM	5275	TO 532	20											<u> </u> -	4: CORI	D. & CI	RC	2.75	54.5 46.0
	14	15 1	500	0.75	5	CONDI	TION	MUD		RCUL	ATE F	OR LOG	}											6: TRIPS		RIG	4.5	130.75
			515 715	0.25 2.0	21 5	SAFET CONDI				RCUL	ATE C	IRC. FO	R LO	G										8: REP <i>A</i> 9: C/O D				26.5
			800 2145	0.75 3.75	10 6	RUN S							SAND) RIT I A	Y DOWN	2 INIT	S 4 1/2	DP					- - 1 -	10: DEV	IATION	ı	0.75 9.0	10.75 11.0
90	21	45 2	2300	1.25	11	WIREL	INE I	LOGS	RIG (ANL	III LA	I DOWN	<u> UINI</u>	<u> </u>	"וע					 -	12: RUN 13: WAI	CSG 8	& CMNT		5.5 28.25
MEL			2315 2700		21 11	SAFET WIREL				TOM 5	322													14: NIPI	PLE UF			17.5 5.75
ΙΨ	F																						<u></u>	16: DRIL 17: PLU	L STE			2.25
			-																					18: SQL	JEEZE			1.5
	\vdash																							19: FISH 20: DIR.		(0.75	17.25
																											0.75	11.25
																												3.5
	H																							OTHER	}		0.0	6.75
		DIT"	ا	- 1	TVPE				055	2141 "		Noz	71 50		IN S			D.F		Lung				Total F	lours		24.0	697.75
	7		12 1/4		TYPE C44DX	HTC	IAKE		60718 ⁻		4x22	NUZ	ZLES		IN @ 5074	5320	UT @)	246.0	RILLED 00	HRS 23	23.0		3		COI	NOITION		ROP
လ																_												
BITS	7		12 1/4	GX	C44DX	НТС			60718 ⁻	12	4x22				5074	5320		246.0		23	0.00	0						
BITS	7			GX			_	Pum			4x22	Р	ump 3		5074 Pump 4	_)	246.0 PE				0	RS -	Total HR	S MA	X PSI K	SPR 1	(ILL (SPM)
BIT	525	Dep	oth	GX	GPM	PRESSUR		Pum Liner	np 1 SPM	F	Pump 2 er SP				Pump 4	5320 Pump	TY Q-ZS	PE 9	00		0.00 0.00 nufactu	0	0	.00	S MA	X PSI K	SPR (ill Rate	KILL (SPM)
PUMPS BITS	52		oth	GX	GPM			Pum Liner	ıp 1	F Line	ump 2				Pump 4	Pump Pump	TY Q-Z9 Q-Z9 3 3	PE 9	STROK	E Mar	0.00 0.00 nufactu	0	0 0	0.00	S MA	X PSI K	SPR (ill Rate	KILL (SPM)
PUMPS BIT	525	Dep	oth 20	WEIGHT	GPM	PRESSUR 2035	6	Pum Liner	sp 1 SPM 89	F Line	Pump 2 er SP 89		er SF		Pump 4	Pump Pump Pump	TY Q-Z9 Q-Z9 3 3	/PE 9	STROK	E Mar	0.00 0.00 nufactu	0	0 0 0	0.00			SPR (ill Rate P	KILL (SPM)
STRG PUMPS BIT	529	Der 56 - 532	oth 20		GPM	PRESSUR 2035	6	Pum Liner	sp 1 SPM 89	Line	Pump 2 er SP 89	M Line	er SF	PM Lin	Pump 4 er SPM	Pump Pump Pump	TY Q-ZS Q-ZS Q-ZS Q-ZS Q-ZS Q-ZS Q-ZS Q-ZS	/PE 9	STROK 9IN 9IN	E Mar	0.00 0.00 nufactu	0	0 0 0	0.00 0.00 0.00 0.00			SPR (ill Rate	KILL (SPM)
STRG PUMPS BIT	529	Der 56 - 532	oth 20		GPM	PRESSUR 2035	6	Pum Liner	sp 1 SPM 89	Line	Pump 2 er SP 89	M Line	er SF	PM Lin	Pump 4 er SPM	Pump Pump Pump	TY Q-ZS Q-ZS Q-ZS Q-ZS Q-ZS Q-ZS Q-ZS Q-ZS	/PE 9	STROK 9IN 9IN	E Mar	0.00 0.00 nufactu	0	0 0 0	0.00 0.00 0.00 0.00			SPR (ill Rate	KILL (SPM)
PUMPS BIT		Der 56 - 532	oth 20		GPM	PRESSUR 2035	6	Pum Liner	sp 1 SPM 89	Line	Pump 2 er SP 89	M Line	er SF	PM Lin	Pump 4 er SPM IN HOL	Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN	E Mai	0.00 0.00 nufactu	O O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ARKS	SPR (ill Rate P	
DRLLSTRG PUMPS BIT	LO	Dep 56 - 532 SIZE	20 V		GPM	PRESSUR 2035	6	Pum Liner	sp 1 SPM 89	Line	Pump 2 er SP 89	M Line	er SF	PM Lin	Pump 4 er SPM	Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN	E Mar	0.00 0.00 nufactu	0	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ARKS	I SURV	
DRLLSTRG PUMPS BIT	LO Co HR	Dep 56 - 532 SIZE CATION D. No.	oth 20 Y ELL		GPM	PRESSUR 2035	6	Pum Liner	sp 1 SPM 89	Line	Pump 2 er SP 89	M Line	er SF	PM Lin	Pump 4 er SPM IN HOL	Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN	E Mai	0.00 0.00 nufactu	O O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	I SURV	EYS
STRG PUMPS BIT	LO Co HR HR	Dep 56 - 532 SIZE	y ELL CHGE		GPM	PRESSUR 2035	6	Pum Liner	sp 1 SPM 89	Line	Pump 2 er SP 89	M Line	er SF	PM Lin	Pump 4 er SPM IN HOL	Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN	E Mai	0.00 0.00 nufactu	O O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	I SURV	EYS
ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV	Dep 56 - 532 SIZE SIZE CATION O. No. RS TODAY RS ON WE	Y ELL CHGE KVA	WEIGHT	GPM	PRESSUR 2035 DE I.D.		Pum Liner	89	Line	Pump 2 Pump 2 89 AD	M Line	er SF	PM Lin	Pump 4 er SPM IN HOL	Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN	E Mai	0.00 0.00 nufactu	O O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	I SURV	EYS
ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR ON	Dep 56 - 532 SIZE SIZE SCATION S. NO. SS TODAY SS ON WE SS LAST (Y ELL CHGE KVA	WEIGHT	GPM GRAD	PRESSUR 2035 DE I.D. 0 00		Pum Liner	89	Line 6	Pump 2 Pump 2 89 AD	# JNTS	er SF	PM Lin	Pump 4 er SPM IN HOL	Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN	E Mai	0.00 0.00 nufactu	O O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	I SURV	EYS
DRLLSTRG PUMPS BIT	LO Co HR HR AV DE On Us	Dep 56 - 532 SIZE CATION O. No. ES TODAY ES ON WE ES LAST OF TERMS OF THE PROPERTY OF THE PROP	Y ELL CHGE KVA D TODA	WEIGHT	GPM GRAD	PRESSUR 2035 DE I.D. 0 00	SOILER	Pum Liner S	89	Line 6	Pump 2 Pump 2 89 AD	# JNTS	er SF	PM Lin	Pump 4 er SPM IN HOL	Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN	E Mai	0.00 0.00 nufactu	O O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	I SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV Us Fu Dis	Deposition of the second of th	y ELL CHGE KVA D TODA	WEIGHT	1886.0 -1107.0	PRESSUR 2035 DE I.D. 0 00 00 00	BOILER	TJ O.D. TODAY WELL BOILER: BLOWDO VOLUME	ap 1 SPM 89 H bown ES	E Line 6	Pump 2 Pump 2 Pump 2 Pump 3 Pump 4 Pu	# JNTS	er SF	PM Lin	Pump 4 er SPM IN HOL	Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN	E Mai	0.00 0.00 nufactu	O O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	I SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV Us Fu Dis	Dep 56 - 532 SIZE CATION O. No. ES TODAY ES LAST OF ELIVERED IN Hand Sed Today Sed This Visel Brand	y ELL CHGE KVA D TODA	WEIGHT	GPM GRAD 1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00	BOILER	TJ O.D. TODAY WELL BOILER	89 Help 1 SPM 89 Help 1 # DWN ES	Line 6	Pump 2 Pr SP 89 AD	# JNTS	er SF	PM Lin	Pump 4 er SPM IN HOL	Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN	E Mai	0.00 0.00 nufactu	O O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	I SURV	EYS
ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV Us Fu Dis	Deposition of the second of th	y ELL CHGE KVA D TODA	WEIGHT	GPM GRAD 1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00 00 TOTAL	BOILER	TJ O.D. TODAY WELL BLOWDC VOLUME CUM.	89 Help 1 SPM 89 Help 1 # DWN ES	HOURS	Pump 2 Pr SP 89 AD	# JNTS	er SF	PM Lin	Pump 4 er SPM IN HOL	Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN	E Mai	0.00 0.00 nufactu	O O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	I SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV Us Fu Dis	Deposition of the second of th	y ELL CHGE KVA D TODA	WEIGHT Y	GPM GRAD 1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00 00 TOTAL HRS	BOILER	TJ O.D. TODAY WELL BLOWDC VOLUME CUM.	# DWN ES	HOURS	Pump 2 Pr SP 89 AD	# JNTS	er SF	PM Lin	Pump 4 er SPM IN HOL	Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN	E Mai	0.00 0.00 nufactu	O O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	I SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV Us Fu Dis	Deposition of the second of th	y ELL CHGE KVA D TODA	WEIGHT Y	1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00 00 TOTAL HRS	BOILER	TJ O.D. TODAY WELL BLOWDC VOLUME CUM.	# DWN ES	HOURS	Pump 2 Pr SP 89 AD FU	# JNTS # JNTS TOTAL OOTAGE	er SF	PM Lin	Pump 4 er SPM IN HOL	Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN	E Mai	0.00 0.00 nufactu	O O rer HI	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	DEVIA	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV Us Fu Dis	Deposition of the second of th	y ELL CHGE KVA D TODA	WEIGHT Y	1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00 00 TOTAL HRS	BOILER	TJ O.D. TODAY WELL BLOWDC VOLUME CUM.	# DWN ES	HOURS	Pump 2 Pr SP 89 AD FU	# JNTS # JNTS TOTAL OOTAGE	er SF	PM Lin	Pump 4 er SPM IN HOL	Pump Pump Pump SSEM	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN EEPAIRS	E Mai	0.00 0.00 0.00 1.D. 1.D.	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	DEVIA	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV Us Fu Dis	Deposition of the second of th	y ELL CHGE KVA D TODA	WEIGHT Y	1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00 00 TOTAL HRS	BOILER	TJ O.D. TODAY WELL BLOWDC VOLUME CUM.	# DWN ES	HOURS	Pump 2 Pr SP 89 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH LENGTH LENGTH LY DOWN	Pump 4 er SPM IN HOL	Pump Pump Pump SSEM	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN EEPAIRS	E Mai	I.D. 5281. 63.71	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	DEVIA	ATION	I SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV Us Fu Dis	Deposition of the second of th	y ELL CHGE KVA D TODA	WEIGHT Y	1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00 00 TOTAL HRS	BOILER	TJ O.D. TODAY WELL BLOWDC VOLUME CUM.	# DWN ES	HOURS	Pump 2 Pr SP 89 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOL	Pump Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN EEPAIRS	E Mai	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	DEVIA	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV DE On Us Fu	Deposition of the second of th	Y ELL CHGE KVA D TODA Well I OR .#	WEIGHT Y	1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00 00 TOTAL HRS	BOILER	TJ O.D. TODAY WELL BLOWDC VOLUME CUM.	# DWN ES	HOURS	Pump 2 Pr SP 89 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOL	Pump Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN EEPAIRS	E Mai	I.D. 5281. 63.71	LENG	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 L STRIN	DEVI/	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV DE On Us Fu	SIZE SIZE CATION NO. SS TODAY SS LAST (FERAGE THAND SED TODAY SELIVERED THAND SED TODAY SELIVERED THAND SED TODAY SERIAL	Y ELL CHGE KVA D TODA Well I OR .#	WEIGHT Y	1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00 00 TOTAL HRS	BOILER	TJ O.D. TODAY WELL BLOWDC VOLUME CUM.	# DWN ES	HOURS	Pump 2 Pr SP 89 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOL	Pump Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN EEPAIRS	E Mai	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	LENG 67 38	DD D	DEP CODE	DEVI/PTH	ATION	I SURV CL ONS TO	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV DE On Us Fu	SIZE SIZE CATION NO. SS TODAY SS LAST (FERAGE THAND SED TODAY SELIVERED THAND SED TODAY SELIVERED THAND SED TODAY SERIAL	Y ELL CHGE KVA D TODA Well I OR .#	WEIGHT Y	1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00 00 TOTAL HRS	BOILER	TJ O.D. TODAY WELL BLOWDC VOLUME CUM.	# DWN ES	HOURS	Pump 2 Pr SP 89 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOL	Pump Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN EEPAIRS	E Mai	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	LENG LENG 667	DD	DEP CODE	DEVI/PTH	ATION	I SURV	EYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV DE On Us Fu	SIZE SIZE CATION NO. SS TODAY SS LAST (FERAGE THAND SED TODAY SELIVERED THAND SED TODAY SELIVERED THAND SED TODAY SERIAL	Y ELL CHGE KVA D TODA Well I OR .#	WEIGHT Y	1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00 00 TOTAL HRS	BOILER	TJ O.D. TODAY WELL BLOWDC VOLUME CUM.	# DWN ES	HOURS	Pump 2 Pr SP 89 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOL	Pump Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN EEPAIRS	E Mai	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	LENG 67 38	DD D	DEP CODE	DEVI/PTH	ATION	I SURV CL ONS TO	EYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV DE On Us Fu	SIZE SIZE CATION NO. SS TODAY SS LAST (FERAGE THAND SED TODAY SELIVERED THAND SED TODAY SELIVERED THAND SED TODAY SERIAL	Y ELL CHGE KVA D TODA Well I OR .#	WEIGHT Y	1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00 00 TOTAL HRS	BOILER	TJ O.D. TODAY WELL BLOWDC VOLUME CUM.	# DWN ES	HOURS	Pump 2 Pr SP 89 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOL	Pump Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN EEPAIRS	E Mai	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	LENG 67 38	DD D	DEP CODE	DEVI/PTH	ATION	I SURV CL ONS TO	EYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV DE On Us Fu	SIZE SIZE CATION NO. SS TODAY SS LAST (FERAGE THAND SED TODAY SELIVERED THAND SED TODAY SELIVERED THAND SED TODAY SERIAL	Y ELL CHGE KVA D TODA Well I OR .#	WEIGHT Y	1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00 00 TOTAL HRS	BOILER	TJ O.D. TODAY WELL BLOWDC VOLUME CUM.	# DWN ES	HOURS	Pump 2 Pr SP 89 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOL	Pump Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN EEPAIRS	E Mai	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	LENG 67 38	DD D	DEP CODE	DEVI/PTH	ATION	I SURV CL ONS TO	EYS AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LO Co HR HR AV DE On Us Fu	SIZE SIZE CATION NO. SS TODAY SS LAST (FERAGE THAND SED TODAY SELIVERED THAND SED TODAY SELIVERED THAND SED TODAY SERIAL	Y ELL CHGE KVA D TODA Well I OR .#	WEIGHT Y	1886.0 -1107.0 -1886.0	PRESSUR 2035 DE I.D. 0 00 00 TOTAL HRS	BOILER	TJ O.D. TODAY WELL BLOWDC VOLUME CUM.	# DWN ES	HOURS	Pump 2 Pr SP 89 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH LENGTH LY DOWN AL of COLLAR	Pump 4 er SPM IN HOL	Pump Pump Pump Pump Pump	TY 2 1 Q-ZS 2 Q-ZS 3 3 4 DN RACK	/PE 9999	STROK 9IN 9IN EEPAIRS	E Mai	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	LENG 67 38	DD D	DEP CODE	DEVI/PTH	ATION	I SURV CL ONS TO	EYS AZM

		ER OI	LFIEL	D SEI	RVICES	, LLC	; ——		_			NG R	EPOR	RT	2010	1025	15			OB NO.		WELL TYPE	
	LLNAME D M Veri	ificatio	n Well	#1					LEGAL	. DESCRIPTI	ON						D DATE / TIN 23-10 12		32			PROJECTE) TD
	ERATOR OM (AR	CHER	DANIE	L MIDL	AND)				COUNT	TY / PARISH ON					STATE		START DATE 15-10 15		D 40	AYS ON JO	В	EST. RELE	ASE
RIG	MANAGE WOOD	ER			R		IE NUMB 3-0053			ATORS REP		ATIVE	СО	MAN PH	l NO.	REL	EASE DATE	TIME		VEATHER	/59 dg rai	n noss	
OPE	ERATIONS OGGING	6 @ REPO	RT TIME			1001	<u>/ 0000</u>				•					ATIONS NEX	KT 24 HRS			20021	<u> </u>	poco.	
	ACCIDEN		NEAR MIS	SSES:								# OF JSA'		SAFETY	1	SAFETY R		G.P.S. COOF	RDINATE		BOP TEST D	ATE / PRES	SSURE
ΞTΥ	none SAFETY											# STOP CA			NG DATE	<u> </u>		N 39.8796 CROWN-O-MA			10/16/10/ ² BOP DRILL		
SAFETY	LAST INS				BY / TITLE		CRI	EW M/U		EXTRA C	REWS /	WHY?	9/2	4AT70	0	OFFICE		YES MANHOURS P	AST 24		BOP DRILL	DATE / TIM	E
	CURRENT	T DEDTIL	FOOT	AGE LAST	24 PEN. R	ATE	ROT. H	IDC I	MAX. GAS	BCKGR	CAS	CONN. GA	S TRIP G	A.C.	LACTICA	SING SIZE	& SET DEPTH	104.00	_		RIG CO)CTC	
OPS			0		0.0										13 3/8		350				S&R		RENTAL
0	ноокьол 109		1	PICKUP WE 09		109	KOFF		ROTATING 109	G	RO	TARY TORG	QUE		NEXT CA	ASING SIZE	& SET DEPTH	1	DAIL	_Y			
	Time	Mud W	t IN / OL	JT Funn	el Vis PV	YL	.D PT 10	0 S GEL 10	M GEL I	FI. Loss	FILT CK	HTHP FL	_ HTTP F		TODAY	FUEL ADI	DED TO MUD CUM. 0		AVE	RAGE	0.00	0.0	0
MUD	Mud Type dispers			% SOLIDS	% LCM %	SAND	% OIL	% H2O	рН 10	MF F	PF	CALCIUM 48	CHLORIDE 4500		DAILY (COSTS	30608.00	сим	IULATIVE	0.00	0.0	0
2	CENTRIF		יי	<u> </u>		HAKER		100	1.0	l l	sc	REENS	1.000	(CHANGE 2625. (:D	WATER S		CUM	ULATIVE S	32.0	32.	0
	FROM	ТО	HRS	CODE						DETAILS			N SEQUENCE		LOLON		111.5				AKDOWN	(Toda	y / Well)
	-	715 1500	0.25 7.75	21 11	safety r															1: RIG UI 2: DRILL			0.5 288.0
	1500		0.25	21	safety r	neetin	g													3: REAM	ING		30.25 54.5
	1515		7.75	11	WIRELI pulled I			rams aı	nd clear	ned up a	nd cle	aned un	junk pot	ts on b	ooth p	umps				4: CORIN			46.0
					change	d oil iı	n wtr. p	pumps					Jonna Jo							6: TRIPS 7: LUBRI	CATE RIG		130.75
	2300	2300 2315	0.25	21	washed SAFET			<u>oits</u>												8: REPAI	R RIG RILL LINE		26.5
		0700	1	11	WIRELI															10: DEVI	ATION	23.25	10.75 34.25
90																				12: RUN	CSG & CMNT	-	5.5
TIME LOG																				14: NIPP	ON CEMENT		28.25 17.5
Ĭ L																				15: TEST 16: DRILI	BOP STEM TEST		5.75
																				17: PLUG			2.25 1.5
																				19: FISH	NG		
																				20. DIIX.	WORK -	0.75	18.0 11.25
																							3.5
																			•				
																				OTHER Total H	oure	0.0 24.0	6.75 721.75
	BIT#	SIZ	E	TYPE	M	AKE		SERIAL#		NOZZ	LES		IN @	OU	Т @	DRILLED	HRS		HRS	lotairi	CONDITIO	_	ROP
BITS																		0.00					
В																		0.00					
10	D	Depth		GPM	PRESSURI		Pump 1	- 1	Pump 2		ımp 3		ımp 4		TYF						MAX PSI	SPR Kill Rate	(ILL (SPM)
PUMPS						Li 6	ner S	SPM Lir	ner SP	PM Liner	SPI	1 Liner	SPM		1 Q-Z9 2 Q-Z9		N/A N/A			0.00 0.00			
PU	<u> </u>					6		6						Pump 3						0.00 0.00			
(D	1						J O.D.	THRE	AD	# JNTS	L	ENGTH	IN HOLE	_	RACK	REPAIR	S		DRI	LL STRING	REMARKS		
	SIZE		WEIGHT	GRAD	DE I.D.	T																	
LSTRO	SIZE		WEIGHT	GRAD	DE I.D.	T,																	
DRLLSTRO	SIZE		WEIGHT	GRAD	DE I.D.	T,																	
DRLLSTRO	SIZE		WEIGHT	GRAD	DE I.D.						NO	DRI	ILLING AS	SEMP	LY (RI	HA)	O.D.	I.D. I FN	I GTH	D	EVIATIO	N SURV	EYS
JES DRLLSTRG	LOCATIO Co. No.	DN	WEIGHT	GRAD	DE I.D.						NO.	DRI	ILLING AS	SSEMB	LY (BI	HA)	O.D.	I.D. LEN	NGTH	DEP"		N SURV	EYS AZM
D	LOCATIO	DN	WEIGHT	GRAD	DE I.D.	I,					NO.	DRI	ILLING AS	SSEMB	LY (Bł	HA)	O.D.	I.D. LEN	NGTH				
ENGINES DRLLSTRO	LOCATIO Co. No. HRS TOD	DAY WELL ST CHGE	WEIGHT	GRAD	DE I.D.	T,					NO.	DRI	ILLING AS	SSEMB	LY (BI	HA)	O.D.	I.D. LEN	NGTH				
ENGINES DE	LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER	DAY WELL ST CHGE GE KVA						Hours	FU	JEL USED	NO.	DRI	ILLING AS	SSEMB	LY (Bł	HA)	O.D.	I.D. LEN	NGTH				
ENGINES DE	LOCATIO Co. No. HRS TOD HRS ON V HRS LAS	DAY WELL ST CHGE GE KVA RED TODA		1763.0		ТО	DAY	HOURS	FU	JEL USED	NO.	DRI	ILLING AS	SSEMB	LY (BH	HA)	O.D.	I.D. LEN	NGTH				
ENGINES DE	LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi	DAY WELL ST CHGE GE KVA RED TODA			0	ME BO	ILER#		FU	JEL USED	NO.	DRI	ILLING AS	SSEMB	LY (Bł	HA)	O.D.	I.D. LEN	NGTH				
ENGINES DE	LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too	DAY WELL ST CHGE GE KVA RED TODA d day dis Well and		1763.00 123.00	0	BOILER WE BO BL	ELL		FU	JEL USED	NO.	DRI	ILLING AS	SSEMB	LY (Bł	HA)	O.D.	I.D. LEN	NGTH				
RIG FUEL ENGINES DE	LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai	DAY WELL ST CHGE GE KVA RED TODA day day dis Well und		1763.00 123.00 -1763.0	0	BOILER TO WE BE BOILER	ELL DILER #		GE	TOTAL COOTAGE	NO.	DRI	ILLING AS	SSEMB	LY (BH	HA)	O.D.	I.D. LEN	NGTH				
RIG FUEL ENGINES DE	LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid	DAY WELL ST CHGE GE KVA RED TODA day day dis Well und	AY HRS L	1763.00 123.00 -1763.0	0 00 TOTAL	BOILER TO WE BE BOILER	OWDOWN LUMES	N FOOTAG	GE	TOTAL	NO.	DRI	ILLING AS	SSEMB	LY (Bł	HA)	O.D.	I.D. LEN	NGTH				
RIG FUEL ENGINES DE	LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid	DAY WELL ST CHGE GE KVA RED TODA day day dis Well und	HRS L	1763.00 123.00 -1763.0	0 TOTAL HRS	BOILER TO WE BE BOILER	OWDOWN LUMES	FOOTAG LAST 2	GE 24 F	TOTAL OOTAGE	NO.	DRI	ILLING AS	SSEMB	LY (Bł	HA)	O.D.	I.D. LEN	NGTH				
MUD MTR RIG FUEL ENGINES DE	LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid	DAY WELL ST CHGE GE KVA RED TODA day day dis Well und	HRS L	1763.00 123.00 -1763.0	0 TOTAL HRS	BOILER TO WE BE BOILER	OWDOWN LUMES	N FOOTAG	GE	TOTAL	NO.	DRI	ILLING AS	SSEMB	LY (BH	HA)	O.D.	I.D. LEN	NGTH				
MUD MTR RIG FUEL ENGINES DE	LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid	DAY WELL ST CHGE GE KVA RED TODA day day dis Well und	HRS L	1763.00 123.00 -1763.0	0 TOTAL HRS	BOILER TO WE BE BOILER	OWDOWN LUMES	FOOTAG LAST 2	GE 24 F	TOTAL OOTAGE	NO.				LY (BH			I.D. LEN	NGTH		TH IN		
MUD MTR RIG FUEL ENGINES DE	LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid	DAY WELL ST CHGE GE KVA RED TODA day day dis Well und	HRS L	1763.00 123.00 -1763.0	0 TOTAL HRS	BOILER TO WE BE BOILER	OWDOWN LUMES	FOOTAG LAST 2	GE 24 F	TOTAL OOTAGE			DRILL P		LY (Bł	S	O.D. TANDS	I.D. LEN	NGTH		TH IN	ICL	
MUD MTR RIG FUEL ENGINES DE	LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid	DAY WELL ST CHGE GE KVA RED TODA day day dis Well und	HRS L	1763.00 123.00 -1763.0	0 TOTAL HRS	BOILER TO WE BE BOILER	OWDOWN LUMES	FOOTAG LAST 2	GE 24 F	TOTAL OOTAGE		/ DOWN			LY (Bh	S	TANDS	I.D. LEN	NGTH		TH IN	ICL	
MUD MTR RIG FUEL ENGINES DE	LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid	DAY WELL ST CHGE GE KVA RED TODA day day dis Well und	HRS L	1763.00 123.00 -1763.0	0 TOTAL HRS	BOILER ME ME ME ME ME ME ME ME ME ME ME ME ME	OWDOWN LUMES	FOOTAG LAST 2	GE 24 F	TOTAL OOTAGE	KELL	/ DOWN		IPE NG	LY (BH	S	TANDS		NGTH		TH IN	ICL	
MUD MTR RIG FUEL ENGINES DE	LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid	DAY WELL ST CHGE GE KVA RED TODA di day dis Well and UTOR AL #	HRS L	1763.00 123.00 -1763.0	0 TOTAL HRS	BOILER ME ME ME ME ME ME ME ME ME ME ME ME ME	OWDOWN LUMES	N FOOTAG LAST 2	GE 24 F	TOTAL OOTAGE	KELL	/ DOWN	DRILL P	IPE NG	LY (BI	S	TANDS	318.25		DEPTH	DRILLE	ICL	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DE	LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi Fuel Brai DISTRIBU	DAY WELL ST CHGE GE KVA RED TODA di day dis Well and UTOR AL #	HRS L	1763.00 123.00 -1763.0	0 TOTAL HRS	BOILER ME ME ME ME ME ME ME ME ME ME ME ME ME	OWDOWN LUMES	N FOOTAG LAST 2	GE 24 F	TOTAL OOTAGE	KELL	/ DOWN	DRILL P	IPE NG	LY (Bh	S	TANDS	318.25		DEP	DIREC	ICL	
KS RENTALITEMS MUDMTR RIGFUEL ENGINES DI	LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi Fuel Brai DISTRIBU	DAY WELL ST CHGE GE KVA RED TODA di day dis Well and UTOR AL #	HRS L	1763.00 123.00 -1763.0	0 TOTAL HRS	BOILER ME ME ME ME ME ME ME ME ME ME ME ME ME	OWDOWN LUMES	N FOOTAG LAST 2	GE 24 F	TOTAL OOTAGE	KELL	/ DOWN	DRILL P	IPE NG	LY (BH	S	TANDS	318.25		DEPTH	DRILLE	ICL	AZM
KS RENTALITEMS MUDMTR RIGFUEL ENGINES DI	LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi Fuel Brai DISTRIBU	DAY WELL ST CHGE GE KVA RED TODA di day dis Well and UTOR AL #	HRS L	1763.00 123.00 -1763.0	0 TOTAL HRS	BOILER ME ME ME ME ME ME ME ME ME ME ME ME ME	OWDOWN LUMES	N FOOTAG LAST 2	GE 24 F	TOTAL OOTAGE	KELL	/ DOWN	DRILL P	IPE NG	LY (BI	S	TANDS	318.25		DEPTH	DRILLE	ICL	AZM
KS RENTALITEMS MUDMTR RIGFUEL ENGINES DI	LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi Fuel Brai DISTRIBU	DAY WELL ST CHGE GE KVA RED TODA di day dis Well and UTOR AL #	HRS L	1763.00 123.00 -1763.0	0 TOTAL HRS	BOILER ME ME ME ME ME ME ME ME ME ME ME ME ME	OWDOWN LUMES	N FOOTAG LAST 2	GE 24 F	TOTAL OOTAGE	KELL	/ DOWN	DRILL P	IPE NG	LY (BI	S	TANDS	318.25		DEPTH	DRILLE	ICL	AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DE	LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi Fuel Brai DISTRIBU	DAY WELL ST CHGE GE KVA RED TODA di day dis Well and UTOR AL #	HRS L	1763.00 123.00 -1763.0	0 TOTAL HRS	BOILER ME ME ME ME ME ME ME ME ME ME ME ME ME	OWDOWN LUMES	N FOOTAG LAST 2	GE 24 F	TOTAL OOTAGE	KELL	/ DOWN	DRILL P	IPE NG	LY (BI	S	TANDS	318.25		DEPTH	DRILLE	ICL	AZM

PI	ONEE	R OII	LFIEL	D SEF	RVICES	, LLC			MOF	RNII	NG R	EPOF	RT	DATE 20101 (026		RIG NO						
	LLNAME D M Veri	ficatio	n Well	#1				LEG	AL DESCRIPTI	ON			•				ATE / TIN			DAYS FR S	PUD	PROJECT	ED TD
OPI	ERATOR				\ NID\				JNTY / PARISH					STATE	١,	JOB STA	RT DATE	<u> </u>		DAYS ON J	ОВ	EST. REL	EASE
RIG	MANAGE	:R	DANIE	L MIDLA	RI	G PHONE N		OPE	ERATORS REP		ATIVE	СО	. MAN PH	IL NO.	-		E DATE			41 WEATHER			
	WOOE ERATIONS		RT TIME		6	18-943-00	053	PT	HUGHESI	R				OPERAT	PIONS	NEYT 2	4 HDS			CLOUDY	//59 dg ra	in poss	
LC	OGGING	;												LOGG	ING								
Υ	none	NTS OR N	NEAR MIS	SSES:						;	# OF JSA'	s RIG 34	SAFETY [DAYS S	AFET	Y RATE		G.P.S. C N 39.87	96 W -	ATES 88.8934	BOP TEST 10/16/10	DATE / PR /1100/25	ESSURE 60 PSIG
SAFETY	SAFETY loggin	MEETING Weat									# STOP C		T MEETING					CROWN-C	O-MATIC (CHECKED	BOP DRILL	DATE / TI	ME
SA	LAST INS			SPECTION	BY / TITLE		CREW M/U	I	EXTRA C	REWS /	WHY?				OFFI	ICE NOT		MANHOU 112.00	RS PAST	24	BOP DRILL	DATE / TI	ME
	CURRENT	DEPTH	FOOT	AGE LAST	24 PEN. R	ATE RO	OT. HRS	MAX. G	AS BCKGR	GAS	CONN. GA	S TRIP G		AST CASI	NG SI		T DEPTI				RIG C	OSTS	
OPS	HOOKLO	AD	0 F	ICKUP WE	0.0	SLACKOF	·F	ROTAT	ΓING	RO ⁻	TARY TOR	QUE		3 3/8 EXT CASI	NG SI		350 ET DEPTI	H			S & R		RENTAL
	109		1	09		109		109											D	AILY			
	Time	Mud W	t IN / OL	T Funne	el Vis PV	YLD P	T 10 S GEL	10 M GE	L FI. Loss	FILT CK	HTHP F	L HTTP		I DDAY	FUEL		то мир сим. О		A	VERAGE	0.00	0.	00
MUD	Mud Type dispers				% LCM %	SAND % C	95	рН 10	MF F		CALCIUM 48	CHLORID 4500		AILY 0.0		NUD COS		30608.0	0 CI	UMULATIVE	0.00	0.	00
2	CENTRIF		Į.	<u>, </u>		HAKER TYPI ATIONAL	E	1.0	<u> </u>		REENS	-1000	C	HANGED 2625.00		,	WATER S		CL	JMULATIVE AYS	33.0	33	3.0
	FROM	ТО	HRS	CODE		ATIONAL			DETAILS			N SEQUENC		.023.00						-	EAKDOWN		lay / Well)
	700		0.25	21		MEETIN														T .	P / DOWN		0.5 288.0
	715 1500		7.75 0.25	11 21		<u>NE LOGS</u> / MEETIN														2: DRILI 3: REAM			30.25
	1515		7.75	11		NE LOGS														4: CORI	NG). & CIRC		54.5 46.0
	2300 2315		0.25 7.75	21 11		<u>/ MEETIN</u> NE LOGS														6: TRIPS	3		130.75
																				7: LUBR 8: REPA	ICATE RIG		26.5
																				9: C/O D	RILL LINE		10.75
																				11: WIR	ELINE LOG	23.25	57.5
TIME LOG																					CSG & CMN TON CEMEN		5.5 28.25
MEI																				14: NIPI	PLE UP BOP		17.5 5.75
Ξ																					L STEM TES	БТ	2.25
																				_#	EEZE CMN	г	1.5
																				19: FISH 20: DIR.			
																				<u> </u>		0.75	18.75 11.25
																							3.5
																				OTHER Total F		24.0	6.75 745.75
	BIT#	SIZ	E	TYPE	M	AKE	SERIAL	#	NOZZ	LES		IN @	OUT	@	DRIL	LED	HRS		JM. HRS		CONDITIO	•	ROP
LS																		0.00					
BITS																		0.00					
	D	epth		GPM	PRESSURE	Pui	mp 1	Pump	2 Pu	ımp 3	Pu	ımp 4		TYPE		STROKE		0.00	r HRS		S MAX PSI	SPR Kill Rate	KILL (SPM)
	D	epth		GPM	PRESSURE	Pui Liner	T	iner	2 Pu SPM Liner				Pump 1 Pump 2	Q-Z9	9I 9I	IN	Man N/A N/A	0.00	r HRS	Total HR: 0.00	S MAX PSI	SPR Kill Rate	KILL (SPM)
PUMPS BIT	D	epth		GPM	PRESSURE	Liner	SPM L	iner					Pump 2 Pump 3	Q-Z9 Q-Z9	91	IN	N/A	0.00	r HRS	0.00 0.00 0.00	S MAX PSI	SPR Kill Rate	KILL (SPM)
PUMPS	D		WEIGHT	GPM GRADI		Liner	SPM L	iner		SPN			Pump 2 Pump 3 Pump 4	Q-Z9 Q-Z9	9I 9I	IN	N/A	0.00		0.00 0.00			KILL (SPM)
PUMPS			WEIGHT			Liner 6	SPM L	iner	SPM Liner	SPN	A Line	r SPM	Pump 2 Pump 3 Pump 4	Q-Z9 Q-Z9	9I 9I	IN IN	N/A	0.00		0.00 0.00 0.00 0.00			KILL (SPM)
LLSTRG PUMPS			WEIGHT			Liner 6	SPM L	iner	SPM Liner	SPN	A Line	r SPM	Pump 2 Pump 3 Pump 4	Q-Z9 Q-Z9	9I 9I	IN IN	N/A	0.00		0.00 0.00 0.00 0.00			KILL (SPM)
PUMPS	SIZE		WEIGHT			Liner 6	SPM L	iner	SPM Liner	SPN	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 ORILL STRING	G REMARKS	3	
DRLLSTRG PUMPS			WEIGHT			Liner 6	SPM L	iner	SPM Liner	SPN	Line	r SPM	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	N/A	0.00		0.00 0.00 0.00 0.00 PRILL STRING	OEVIATIO	ON SUR	VEYS
DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD	N AY	WEIGHT			Liner 6	SPM L	iner	SPM Liner	SPN	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 ORILL STRING	OEVIATIO	3	
DRLLSTRG PUMPS	SIZE LOCATIO Co. No.	AY WELL	WEIGHT			Liner 6	SPM L	iner	SPM Liner	SPN	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 PRILL STRING	OEVIATIO	ON SUR	VEYS
LLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON THE LAS	AY WELL T CHGE E KVA				Liner 6	SPM L	READ	# JNTS	SPN	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 PRILL STRING	OEVIATIO	ON SUR	VEYS
ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON THE LAS	N AY WELL T CHGE E KVA			E I.D.	TJ O.E	SPM L	READ	SPM Liner	SPN	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 PRILL STRING	OEVIATIO	ON SUR	VEYS
ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON THE LAS AVERAG DELIVER	N WELL T CHGE E KVA		2706.00 -943.00	E I.D.	TJ O.E	SPM L	READ	# JNTS	SPN	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 PRILL STRING	OEVIATIO	ON SUR	VEYS
ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON THE LAS AVERAG DELIVER On Hand Used Tot Used The Fuel Bra	AY WELL T CHGE E KVA EED TODA		2706.00	E I.D.	TODAY WELL BOILEF BLOWD	SPM L 6	READ	# JNTS	SPN	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 PRILL STRING	OEVIATIO	ON SUR	VEYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS LAS AVERAG DELIVER On Hand Used Tot Used Thi Fuel Bra DISTRIBU	N WELL T CHGE E KVA day day dis Well nd	Y	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM	SPM L 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ	# JNTS	SPN	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 PRILL STRING	OEVIATIO	ON SUR	VEYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON THE LAS AVERAG DELIVER On Hand Used Tot Used The Fuel Bra	N WELL T CHGE E KVA day day dis Well nd		2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILEF BLOWD	SPM L 6 6 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ	# JNTS	SPN	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 PRILL STRING	OEVIATIO	ON SUR	VEYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS LAS AVERAG DELIVER On Hand Used Tot Used Thi Fuel Bra DISTRIBU	N WELL T CHGE E KVA day day dis Well nd	Y HRS L	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM L 6 6 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ	# JNTS # JNTS FUEL USED	SPN	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 PRILL STRING	OEVIATIO	ON SUR	VEYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS LAS AVERAG DELIVER On Hand Used Tot Used Thi Fuel Bra DISTRIBU	N WELL T CHGE E KVA day day dis Well nd	HRS L	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM L 6 6 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ READ READ RS	# JNTS # JNTS FUEL USED TOTAL FOOTAGE	SPN	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 PRILL STRING	OEVIATIO	ON SUR	VEYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS LAS AVERAG DELIVER On Hand Used Tot Used Thi Fuel Bra DISTRIBU	N WELL T CHGE E KVA day day dis Well nd	HRS L	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM L 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ READ READ RAGE F 24	# JNTS # JNTS FUEL USED TOTAL FOOTAGE	SPN	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 PRILL STRING	OEVIATIO	ON SUR	VEYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS LAS AVERAG DELIVER On Hand Used Tot Used Thi Fuel Bra DISTRIBU	N WELL T CHGE E KVA day day dis Well nd	HRS L	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM L 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ READ READ RAGE F 24	# JNTS # JNTS FUEL USED TOTAL FOOTAGE	SPN	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN	O.D.	0.00	D	0.00 0.00 0.00 0.00 PRILL STRING	DEVIATION THE I	ON SUR	VEYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS LAS AVERAG DELIVER On Hand Used Tot Used Thi Fuel Bra DISTRIBU	N WELL T CHGE E KVA day day dis Well nd	HRS L	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM L 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ READ READ RAGE F 24	# JNTS # JNTS FUEL USED TOTAL FOOTAGE	NO.	Line	IN HOLE	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	PAIRS	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 PRILL STRING	DEVIATION THE I	DN SUR	VEYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS LAS AVERAG DELIVER On Hand Used Tot Used Thi Fuel Bra DISTRIBU	N WELL T CHGE E KVA day day dis Well nd	HRS L	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM L 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ READ READ RAGE F 24	# JNTS # JNTS FUEL USED TOTAL FOOTAGE	NO.	DR DOWN	ILLING AS	Pump 2 Pump 3 Pump 4 ON F	Q-Z9 Q-Z9	9I 9I REF	IN IN PAIRS	N/A N/A	0.00	D	0.00 0.00 0.00 0.00 PRILL STRING	DEVIATION THE I	DN SUR	VEYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Bra DISTRIBU	N AY WELL T CHGE E KVA day is Well nd JTOR	HRS L	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM L 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ READ READ RAGE F 24	# JNTS # JNTS FUEL USED TOTAL FOOTAGE	NO.	DR DOWN	IN HOLE	Pump 2 Pump 3 Pump 4 ON I	Q-Z9 Q-Z9	9I 9I REF	IN IN PAIRS	N/A N/A	0.00	D	O.00 O.00 O.00 O.00 O.DEP	DEVIATION THE I	DN SUR NCL	VEYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS LAS AVERAG DELIVER On Hand Used Tot Used Thi Fuel Bra DISTRIBU	N AY WELL T CHGE E KVA day is Well nd JTOR	HRS L	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM L 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ READ READ RAGE F 24	# JNTS # JNTS FUEL USED TOTAL FOOTAGE	NO.	DR DOWN	IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE	Pump 2 Pump 3 Pump 4 ON I	Q-Z9 Q-Z9	9I 9I REF	IN IN PAIRS	N/A N/A	I.D.	D	O.00 O.00 O.00 O.00 O.DEP	DEVIATION THE PROPERTY OF THE	DN SUR NCL	VEYS
KS RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Bra DISTRIBU	N AY WELL T CHGE E KVA day is Well nd JTOR	HRS L	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM L 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ READ READ RAGE F 24	# JNTS # JNTS FUEL USED TOTAL FOOTAGE	NO.	DR DOWN	IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE	Pump 2 Pump 3 Pump 4 ON I	Q-Z9 Q-Z9	9I 9I REF	IN IN PAIRS	N/A N/A O.D.	I.D.	LENGTH	DEPTH	DEVIATION THE INTERIOR OF THE	DN SUR NCL	VEYS
KS RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Bra DISTRIBU	N AY WELL T CHGE E KVA day is Well nd JTOR	HRS L	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM L 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ READ READ RAGE F 24	# JNTS # JNTS FUEL USED TOTAL FOOTAGE	NO.	DR DOWN	IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE	Pump 2 Pump 3 Pump 4 ON I	Q-Z9 Q-Z9	9I 9I REF	IN IN PAIRS	N/A N/A O.D.	I.D.	LENGTH	DEPTH	DEVIATION THE INTERIOR OF THE	DN SUR NCL	VEYS
KS RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Bra DISTRIBU	N AY WELL T CHGE E KVA day is Well nd JTOR	HRS L	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM L 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ READ READ RAGE F 24	# JNTS # JNTS FUEL USED TOTAL FOOTAGE	NO.	DR DOWN	IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE	Pump 2 Pump 3 Pump 4 ON I	Q-Z9 Q-Z9	9I 9I REF	IN IN PAIRS	N/A N/A O.D.	I.D.	LENGTH	DEPTH	DEVIATION THE INTERIOR OF THE	DN SUR NCL	VEYS
KS RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Bra DISTRIBU	N AY WELL T CHGE E KVA day is Well nd JTOR	HRS L	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM L 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ READ READ RAGE F 24	# JNTS # JNTS FUEL USED TOTAL FOOTAGE	NO.	DR DOWN	IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE	Pump 2 Pump 3 Pump 4 ON I	Q-Z9 Q-Z9	9I 9I REF	IN IN PAIRS	N/A N/A O.D.	I.D.	LENGTH	DEPTH	DEVIATION THE INTERIOR OF THE	DN SUR NCL	VEYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Bra DISTRIBU	N AY WELL T CHGE E KVA day is Well nd JTOR	HRS L	2706.00 -943.00 -2706.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM L 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	READ READ READ RAGE F 24	# JNTS # JNTS FUEL USED TOTAL FOOTAGE	NO.	DR DOWN	IN HOLE IN HOLE IN HOLE IN HOLE IN HOLE	Pump 2 Pump 3 Pump 4 ON I	Q-Z9 Q-Z9	9I 9I REF	IN IN PAIRS	N/A N/A O.D.	I.D.	LENGTH	DEPTH	DEVIATION THE INTERIOR OF THE	DN SUR NCL	VEYS

Р	10	NEEF	R OII	LFIEL	D SEF	RVICES	3, L	LC				MO	RNI	NG F	REPOF	₹T	DATE 2010		7	RIG N	O. JOB 1	ГҮРЕ	JOB N	10.		WE	ELL TYPE	
WE	ELLN	NAME // Verifi									LEGAL	DESCRIPT					12010		SPUD D	ATE / TII			DAYS 34	FR SP	UD	PR	OJECTED	TD
		ATOR I (ARC	HER	DANIE	L MIDLA	AND)					COUNT	TY / PARISH ON	1				STATE	Ē		ART DAT -10 1			DAYS 42	ON JO	В	ES	ST. RELEA	SE
RIC	G M	ANAGER				, R		HONE N	UMBER 053			ATORS REP		TATIVE	co	. MAN F	PH NO.			SE DATE			WEAT		/59 d	g rain	poss.	
OP	PERA	ATIONS @	® REPO	RT TIME							1						OPER LOG		IS NEXT :	24 HRS					<u> </u>	<u> </u>		
	A no	CCIDENT	S OR N	NEAR MIS	SSES:									# OF JS/	A's RIG	SAFET	Y DAYS		ETY RATE		G.P.S. C N 39.87	OORDINA	TES 38.89	34			TE / PRES	
FETY	S	AFETY M												# STOP C	ARDS LAS	T MEET	ING DATE	Ē			CROWN-C						ATE / TIME	
SAI		AST INSP			SPECTION	BY / TITLE			CREW	M/U		EXTRA (CREWS	/ WHY?	0,2	.,		OF	FICE NO	TIFIED	MANHOUF 72.00	RS PAST	24		BOP D	RILL D	ATE / TIME	Ē
		URRENT	DEPTH		AGE LAST	24 PEN. R	ATE	RC	OT. HRS	М	AX. GAS	BCKG	R GAS	CONN. G	AS TRIP G	AS			SIZE & S	ET DEPT					RIG	CO	STS	
OPS	HC	OOKLOAD)		PICKUP WE	0.0		LACKOF	F		ROTATIN	G	R	OTARY TOP	RQUE		13 3/8 NEXT CA		SIZE & S	350 ET DEPT	н	-	AILY		S	8 & R	R	RENTAL
		09 ime	Mud W	t IN / OL				YLD P	T 10 S	GEL 10			FILT C	K HTHP	FL HTTP	FC		FUE	L ADDED				/ERAG	_	0.00	<u> </u>	0.00	`
MUD	Mu	ud Type			% SOLIDS	26 % LCM %		8 D % C	3 3 %		pН		1/32 PF	CALCIUM	/ CHLORID	ES	TODAY		MUD CO			-	JMULA		0.00			
ĭ	di	ispersed ENTRIFUC		<u> </u>	6			ER TYP		5	9.5			64 CREENS	6600		DAILY 2	ED		WATER	32911.5 SOURCE	CI	JMULA [.]	TIVE			0.00	
	F	FROM	ТО	HRS	CODE		IATI	IONAL	_			DETAILS		210 ERATIONS	IN SEQUENC	E	2625.0	00		HYD		DA	YS TIM	IE BRE	34.0		34.0 (Today	y / Well)
				0.25	21	SAFET																	1:	RIG UF	P / DOV		()	0.5
				7.75 0.25	11 21	WIREL safety I			>														3:	DRILLI REAMI	ING			30.25
			2030 2200	5.25 1.5	11 9	WIREL CUT OI				INE													5:	CORIN COND.			2.5	54.5 48.5
	22	200 2	2300	1.0	6	TRIPS																		TRIPS LUBRIO	CATE F	RIG	3.5	134.25
			2315 0145	1	21 6	SAFET T.I.H.	<u>Y M</u>	EETIN	NG															REPAII C/O DR			0.25 1.5	26.75 1.5
				0.25 2.5	8 5	WORK CONDI					ΔTF												10	: DEVIA : WIRE	ATION		13.0	10.75 70.5
507				2.5	6	P.O.O.I					AIE												12	: RUN (CSG &			5.5 28.25
TIME L	H																						14	: WAII : NIPPL : TEST	LE UP	Ī		17.5 5.75
Ē	F																						16:	: IESI : DRILL : PLUG	STEM	ſ		2.25
	E																						18	: SQUE	EZE (1.5
	H																							: FISHI : DIR. V			0.75	40.5
	F																										0.75	19.5 11.25
	E																						<u></u>					3.5
	H																						ОТ	HER				6.75
	L															1	1			1			_	tal Ho			21.5	767.25
	H	BIT#	SIZ	E	TYPE	I N	IAKE		SE	RIAL#		NOZ	ZLES		IN @	OL	JT @	DR	ILLED	HRS	0.00	JM. HRS			CON	DITION		ROP
လ																+	-			_								
BITS	E																				0.00							
		D.			opu.	PDECOLID	_ [Pui	mp 1	1	Pump 2	Р	ump 3	F	Pump 4		ТҮІ	PE	STROK	E Mai		r HRS	Tota	al HRS	MAX	(PSI _{Ki}	SPR K	CILL (SPM)
		Dep	pth		GPM	PRESSUR		Pui Liner	1								1 Q-Z9)	9IN	N/A	0.00 0.00 nufacture	r HRS	0.00		MAX	(PSI Ki	SPR ill Rate K	(ILL (SPM)
PUMPS BITS		Dep	pth		GPM	PRESSUR		Liner		l Line						Pump	1 Q-Z9 2 Q-Z9 3)			0.00 0.00 nufacture	r HRS	0.00 0.00 0.00)	MAX	(PSI Ki	SPR ill Rate	(ILL (SPM)
PUMPS		De _l		WEIGHT	GPM GRAD			Liner	SPM	l Line	er SF		er Si			Pump Pump	1 Q-Z9 2 Q-Z9 3)	9IN	N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00)			SPR iii Rate	SILL (SPM)
STRG PUMPS				WEIGHT				Liner 6	SPM	1 Line	er SF	PM Line	er Si	PM Line	er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3)	9IN 9IN	N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00)			SPR ill Rate	CILL (SPM)
STRG PUMPS				WEIGHT				Liner 6	SPM	1 Line	er SF	PM Line	er Si	PM Line	er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3)	9IN 9IN	N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00)			SPR iii Rate	CILL (SPM)
PUMPS				WEIGHT				Liner 6	SPM	1 Line	er SF	PM Line	er Si	LENGTH	er SPM	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN	N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 RILL S	TRING	REMA	ARKS	SPR ill Rate K	
DRLLSTRG PUMPS	LC	SIZE OCATION o. No.		WEIGHT				Liner 6	SPM	1 Line	er SF	PM Line	er SF	LENGTH	IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 PRILL S	TRING	REMA	ARKS	SURVI	
DRLLSTRG PUMPS	LCC	SIZE OCATION o. No. RS TODA' RS ON WI	Y	WEIGHT				Liner 6	SPM	1 Line	er SF	PM Line	er SF	LENGTH	IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 PRILL S	D	REMA	ARKS	SURVI	EYS
STRG PUMPS	LCCC	SIZE OCATION o. No. RS TODA	Y	WEIGHT				Liner 6	SPM	1 Line	er SF	PM Line	er SF	LENGTH	IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 PRILL S	D	REMA	ARKS	SURVI	EYS
ENGINES DRLLSTRG PUMPS	LC CC HI HI HI A	SIZE OCATION o. No. RS TODA RS ON WI RS LAST	Y ELL CHGE		GRADI	E I.D.		TJ O.L	SPM D.	1 Line	AD	PM Line	er SF	LENGTH	IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 PRILL S	D	REMA	ARKS	SURVI	EYS
ENGINES DRLLSTRG PUMPS	LC CC HI HI HI A	OCATION O. NO. RS TODAY RS ON WI RS LAST VERAGE DELIVEREI On Hand Jsed Toda	Y ELL CHGE KVA D TODA		2337.00 369.00	E I.D.		Liner 6	SPM D.	THRE	AD	# JNTS	er SF	LENGTH	IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 PRILL S	D	REMA	ARKS	SURVI	EYS
DRLLSTRG PUMPS	LC CC HII HII HII A\ O U U U F	SIZE OCATION o. No. RS TODAY RS ON WI RS LAST VERAGE DELIVEREI On Hand Jsed Toda Jsed This Guel Brand	Y ELL CHGE KVA D TODA		2337.00	E I.D.	BOILER	TJ O.E TODAY WELL BOILER	SPM	THRE	AD	# JNTS	er SF	LENGTH	IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 PRILL S	D	REMA	ARKS	SURVI	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HII HII A\	SIZE OCATION o. No. RS TODA' RS ON WI RS LAST VERAGE DELIVEREI On Hand Jsed Toda Jsed Toda Jsed This Guel Brand DISTRIBUT	Y ELL CHGE KVA D TODA	AY	2337.00 369.00 -2337.0	E I.D.	BOILER	TJ O.E TODAY WELL BOILEF BLOWD	SPM D. R # DOWN MES	THRE	AD FL	# JNTS	er SF	LENGTH	IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 PRILL S	D	REMA	ARKS	SURVI	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HII HII A\	SIZE OCATION o. No. RS TODAY RS ON WI RS LAST VERAGE DELIVEREI On Hand Jsed Toda Jsed This Guel Brand	Y ELL CHGE KVA D TODA		2337.00 369.00 -2337.0	E I.D.	BOILER	TJ O.E TODAY WELL BOILER	SPM D. R # DOWN MES	THRE	AD FL	# JNTS	er SF	LENGTH	IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 PRILL S	D	REMA	ARKS	SURVI	EYS
ENGINES DRLLSTRG PUMPS	LC CC HII HII A\	SIZE OCATION O. NO. RS TODA' RS ON WI RS LAST VERAGE DELIVEREI On Hand Jsed Toda Jsed This Guel Brand DISTRIBUT	Y ELL CHGE KVA D TODA	HRS L	2337.00 369.00 -2337.0	E I.D.	BOILER	TODAY WELL BOILER BLOWD	SPM D. R # DOWN MES	THREA	AD FL	# JNTS	er SF	LENGTH	IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 PRILL S	D	REMA	ARKS	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC Cc Hi Hi Hi A\	SIZE OCATION O. NO. RS TODA' RS ON WI RS LAST VERAGE DELIVEREI On Hand Jsed Toda Jsed This Guel Brand DISTRIBUT	Y ELL CHGE KVA D TODA	HRS L	2337.00 369.00 -2337.0	E I.D.	BOILER	TODAY WELL BOILER BLOWD	D. SPM	THREA	AD FL	# JNTS	er SF	LENGTH	IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 PRILL S	D	REMA	ARKS	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC Cc Hi Hi Hi A\	SIZE OCATION O. NO. RS TODA' RS ON WI RS LAST VERAGE DELIVEREI On Hand Jsed Toda Jsed This Guel Brand DISTRIBUT	Y ELL CHGE KVA D TODA	HRS L	2337.00 369.00 -2337.0	E I.D.	BOILER	TODAY WELL BOILER BLOWD	D. SPM	HOURS	AD FL	# JNTS # JNTS JEL USED TOTAL FOOTAGE	er SF	LENGTH	IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN	N/A N/A	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 PRILL S	D	EVIA TH	ATION	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HIH HI HI D O U U FF D	SIZE OCATION O. NO. RS TODA' RS ON WI RS LAST VERAGE DELIVEREI On Hand Jsed Toda Jsed This Guel Brand DISTRIBUT	Y ELL CHGE KVA D TODA	HRS L	2337.00 369.00 -2337.0	E I.D.	BOILER	TODAY WELL BOILER BLOWD	D. SPM	HOURS	AD FL	# JNTS # JNTS JEL USED TOTAL FOOTAGE	er SF	LENGTH	IN HOLE	Pump Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN EPAIRS	N/A N/A O.D.	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 PRILL S	D	EVIA TH	ARKS	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HIH HI HI D O U U FF D	SIZE OCATION O. NO. RS TODA' RS ON WI RS LAST VERAGE DELIVEREI On Hand Jsed Toda Jsed This Guel Brand DISTRIBUT	Y ELL CHGE KVA D TODA	HRS L	2337.00 369.00 -2337.0	E I.D.	BOILER	TODAY WELL BOILER BLOWD	D. SPM	HOURS	AD FL	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO.	LENGTH LENGTH LENGTH LY DOWN	IN HOLE	Pump Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN EPAIRS	N/A N/A O.D.	0.00 0.00 nufacture		0.00 0.00 0.00 0.00 PRILL S	D	EVIA TH	ATION	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HIH HI HI D O U U FF D	SIZE OCATION O. NO. RS TODA' RS ON WI RS LAST VERAGE DELIVEREI On Hand Jsed Toda Jsed This Guel Brand DISTRIBUT	Y ELL CHGE KVA D TODA	HRS L	2337.00 369.00 -2337.0	E I.D.	BOILER	TODAY WELL BOILER BLOWD	D. SPM	HOURS	AD FL	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO.	LENGTH LENGTH LY DOWN AL Of COLLARS	IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN EPAIRS	N/A N/A O.D.	I.D.		0.00 0.00 0.00 0.00 PRILL S	D	EVIA TH	ATION	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		SIZE OCATION O. NO. RS TODA' RS ON WI RS LAST VERAGE DELIVEREI On Hand Jsed Toda Jsed This Guel Brand DISTRIBUT	Y ELL CHGE KVA D TODA By Well CHECK TOR	HRS L	2337.00 369.00 -2337.0	E I.D.	BOILER	TODAY WELL BOILER BLOWD	D. SPM	HOURS	AD FL	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO.	LENGTH LENGTH LY DOWN AL Of COLLARS	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN EPAIRS	N/A N/A O.D. NDS SLES	0.00 0.00	LENGTH	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEPT	EVIA TH DRIL	ATION INC	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		SIZE OCATION O. NO. RS TODAY RS ON WI RS LAST VERAGE DELIVEREI On Hand Used Toda Used Toda Used This Guel Brand DISTRIBUT SERIAL	Y ELL CHGE KVA D TODA By Well CHECK TOR	HRS L	2337.00 369.00 -2337.0	E I.D.	BOILER	TODAY WELL BOILER BLOWD	D. SPM	HOURS	AD FL	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO.	LENGTH LENGTH LY DOWN AL Of COLLARS	IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN EPAIRS	N/A N/A O.D.	0.00 0.00		0.00 0.00 0.00 0.00	DEPT	EVIA TH DRIL	ATION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		SIZE OCATION O. NO. RS TODAY RS ON WI RS LAST VERAGE DELIVEREI On Hand Used Toda Used Toda Used This Guel Brand DISTRIBUT SERIAL	Y ELL CHGE KVA D TODA By Well CHECK TOR	HRS L	2337.00 369.00 -2337.0	E I.D.	BOILER	TODAY WELL BOILER BLOWD	D. SPM	HOURS	AD FL	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO.	LENGTH LENGTH LY DOWN AL Of COLLARS	IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN EPAIRS	N/A N/A O.D. NDS SLES	0.00 0.00	LENGTH	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEPT	EVIA TH DRIL	ATION INC	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		SIZE OCATION O. NO. RS TODAY RS ON WI RS LAST VERAGE DELIVEREI On Hand Used Toda Used Toda Used This Guel Brand DISTRIBUT SERIAL	Y ELL CHGE KVA D TODA By Well CHECK TOR	HRS L	2337.00 369.00 -2337.0	E I.D.	BOILER	TODAY WELL BOILER BLOWD	D. SPM	HOURS	AD FL	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO.	LENGTH LENGTH LY DOWN AL Of COLLARS	IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN EPAIRS	N/A N/A O.D. NDS SLES	0.00 0.00	LENGTH	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEPT	EVIA TH DRIL	ATION INC	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		SIZE OCATION O. NO. RS TODAY RS ON WI RS LAST VERAGE DELIVEREI On Hand Used Toda Used Toda Used This Guel Brand DISTRIBUT SERIAL	Y ELL CHGE KVA D TODA By Well CHECK TOR	HRS L	2337.00 369.00 -2337.0	E I.D.	BOILER	TODAY WELL BOILER BLOWD	D. SPM	HOURS	AD FL	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO.	LENGTH LENGTH LY DOWN AL Of COLLARS	IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN EPAIRS	N/A N/A O.D. NDS SLES	0.00 0.00	LENGTH	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEPT	EVIA TH DRIL	ATION INC	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		SIZE OCATION O. NO. RS TODAY RS ON WI RS LAST VERAGE DELIVEREI On Hand Used Toda Used Toda Used This Guel Brand DISTRIBUT SERIAL	Y ELL CHGE KVA D TODA By Well CHECK TOR	HRS L	2337.00 369.00 -2337.0	E I.D.	BOILER	TODAY WELL BOILER BLOWD	D. SPM	HOURS	AD FL	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO.	LENGTH LENGTH LY DOWN AL Of COLLARS	IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	R	9IN 9IN EPAIRS	N/A N/A O.D. NDS SLES	0.00 0.00	LENGTH	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEPT	EVIA TH DRIL	ATION INC	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS		SIZE OCATION O. NO. RS TODAY RS ON WI RS LAST VERAGE DELIVEREI On Hand Used Toda Used Toda Used This Guel Brand DISTRIBUT SERIAL	Y ELL CHGE KVA D TODA By Well CHECK TOR	HRS L	2337.00 369.00 -2337.0	E I.D.	BOILER	TODAY WELL BOILER BLOWD	D. SPM	HOURS	AD FL	# JNTS # JNTS JEL USED TOTAL FOOTAGE	NO.	LENGTH LENGTH LY DOWN AL Of COLLARS	IN HOLE RILLING AS DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4 N RACK	R	9IN 9IN EPAIRS	N/A N/A O.D. NDS SLES	0.00 0.00	LENGTH	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEPT	EVIA TH DRIL	ATION INC	SURVI	EYS

WEL	ONEE				RVICES	, LLC			LE	EGAL DES			NG R	EPO	RT	201	0102	SPUD D	RIG NO 15 ATE / TIN -10 12	1E	В ТҮРЕ		OB NO. AYS FR S	PUD		ELL TYPE	
OPE A D	RATOR	CHER		#1 L MIDLA		IG PHONE	NIIME)ED	N	OUNTY / P Macon PERATOR		DESENT	ATIVE		CO MAN	STAT	E	ЈОВ ST/ 09-15	-10 1/ ART DATE -10 1: SE DATE	5:45		D 43	AYS ON J	ОВ	ES	T. RELE	ASE
W OPE	WOOD RATIONS menting	@ REPO				18-943				PT HUG			Alive		CO. MAN	OPE		NS NEXT 2	4 HRS	/ IIWE			LOUD	//59 d	g rain	poss.	
	ACCIDEN none	ITS OR I	NEAR MIS										# OF JSA	3	6	ETY DAYS	SAF	ETY RATE		N 39.8	coord 8796 W	/ -88	3.8934	10/16		00/250) PSIG
SAFE	SAFETY I CEMENT LAST INS	ting ca	seing/		With unf	formilia		ple EW M/U		EX	TRA C	REWS /	# STOP C		/24AT	TING DAT		FFICE NO	TIFIED	YES MANHO	URS PAS				ORILL DA		
S	CURRENT	DEPTH	FOOT 0	AGE LAST	24 PEN. R.	ATE	ROT. F	IRS	MAX.	GAS	BCKGR	GAS	CONN. G	AS TRIF	GAS	LAST 0		i SIZE & SI		168.00)			_	G CO		DENTAL
	HOOKLOA 109		F 1	PICKUP WE	IGHT	SLACK 109			109				TARY TOR				CASING	SIZE & S	ET DEPTI			DAIL	_Y	,	8 & R		RENTAL
	Time Mud Type		t IN / OL		el Vis PV			0 S GEL % H2O	10 M G	SEL FI. L		FILT CK	CALCIUN		P FC	TODAY	FUI	EL ADDED) MUD CO	сим. 0				RAGE	0.00		0.0	
MUD	disperse CENTRIFU			6		SHAKER T		95	9.5	; [64 REENS 10	6600		CHANG 2625	ED		CUM. 1: WATER S HYD	32911 SOURCE			ULATIVE ULATIVE	35.0		35.	
	FROM 700	то 715	HRS 0.25	CODE 21	SAFET					DE	ETAILS (IN SEQUEI	NCE	2023	.00		חוט			DAT	TIME BR	EAKDO	WN		y / Well)
	715	745	0.23 0.5 2.75	6 22	TRIP O	UT OF	HOLE			DOWN	8 INC	H ST	AND										1: RIG U 2: DRILL 3: REAL	LING	WN		288.0 30.25
	1030	1130	1.0	22	RIG UP	POWE	R TO	NGS		IIMDEI	DCED	/DIII	N CASE	ING 11	NIOI S	ITC							4: CORI 5: CONI	NG	RC	8.0	54.5 56.5
			0.0	21	HOOK I	UP TO	CIRC							ING TI	JOIN	113							6: TRIPS	RICATE		0.5	134.75
	1515	1530	0.25 0.25	12	PREPA	IR TO F	RUN 9						ERGER	MEETI	NG								9: C/O E	RILL LI			26.75 1.5 10.75
_	2030	2300	5.0 2.5 0.25	5	CONDIT	TION M	UD &						IS BUIL	D VOLU	ME								10: DEV 11: WIR 12: RUN	ELINE I	_OG	10.0	70.5 15.5
	2315	2345	0.5	5	SAFET'	VOLUM	IE TC	CEME	NT														13: WAI	T ON C	EMENT		28.25 17.5
=	0045	0500	1.0 4.25	12	HOOK I	ноок		EMENT	ERS	S AND C	EME	NT 2	20BBLS	H20, 30) BBL	_S CW 1	00,1	25 BBL	S @ 1	6.2P			15: TES 16: DRII	L STEN	Ī		5.75
	0500	0700	2.0	12	DROP E	<u>BOMB</u>																	17: PLU 18: SQL 19: FISH	JEEZE			2.25 1.5
																							20: DIR.			0.75	20.25
																						,				4.75	16.0 3.5
																							OTHER	<u> </u>		0.0	6.75
	BIT#	SIZ	E	TYPE	М	AKE		SERIAL:	#		NOZZ	LES		IN @		OUT @	DF	RILLED	HRS		CUM. HR	RS	Total F		IDITION	24.0	791.25 R O P
BITS																				0.0							
В																				0.0							
PS	De	epth		GPM	PRESSURE	Lin	er :	SPM L	Pum iner	SPM	Pu Liner	mp 3 SPI		ump 4 er SPM	_	np 1 Q-Z		9IN	N/A		rer H		Total HR 0.00	S MAX	(PSI Ki	II Rate	KILL (SPM)
PUMPS						6		6							Pum Pum		9	9IN	N/A				0.00 0.00 0.00				
STRG	SIZE	1	WEIGHT	GRADI	E I.D.	TJ	O.D.	THE	READ	#	JNTS	ı	ENGTH	IN HO		ON RACK	R	REPAIRS					LL STRIN	G REM	ARKS		
DRLLST																			<u> </u>								
DF	LOCATION	N											l 55		ACCEA	MDLV / F				1.5	. = 1.0)EVI/	ATION	SHDV	EVS
IES	Co. No.											NO.	DF	RILLING	ASSEN	MBLY (E	зна)		O.D.	I.D.	LENG	TH	DEP		INC		AZM
ENGINE	HRS ON V	VELL																									
-	AVERAGE DELIVERI	E KVA	v							_																	
FUEL	On Hand Used Tod		. 1	2583.00		TOD		HOUR	S	FUEL U	SED																
RIG FL	Used This	s Well		-246.00 -2583.0		ВОП	ER#																				
	DISTRIBU		HRS L	ΔST	TOTAL		WDOW UMES	FOOT/	AGE	тот	'ΔΙ																
MUD MTR	SERIA	AL#	HKS L		HRS	WELL		LAST		FOOT													1				
M				DESCRIPTION	ON			DAY RT	ST	DBY I	HRLY												1				
ITEMS																											
													1	DRILL	PIPE			STAI						[DIRECTIO	ONS TO	
RENTAL												KELL	Y DOWN L					SING	LEO				1				
	_			_				_			_			6 / DRILLST AST INSP						318.2	5						
+	used 24	6 gal of	fuel																FRO	М	то		CODE		LED RPM		W.O.B.
\RKS																											
REPORT REMARKS																						—					
PORT						I													•	ı						1	
RE																											

WEI AC	LNAME OM Veri	ficatio	n Well	#1	VICES	, LL	_C			COUN	DESCRIPT	ION	ING I	RE	POR	T	STAT	0102	SPUD DA 09-23 -	.10 12	ΛΕ 2:30	В ТҮРЕ	D 30	AYS ON J		PF	ELL TYPE) TD
RIG W	MANAGE WOOL RATIONS	R) @ REPO	RT TIME	L MIDLA	RI		one n 43-0 (UMBER 053	ł		on ATORS REP IUGHES		NTATIVE		CO.	MAN F			NS NEXT 2	E DATE				/EATHER	//59	dg rain	poss.	
ΞΤΥ	ACCIDENT NONE SAFETY nipple	NTS OR I	NEAR MIS	SSES:									# OF JS 3 # STOP		37		Y DAYS	SAF	ng case		N 39.	COORI 8 796 V N-O-MAT	V -88	.8934	10/1	P TEST DA 1 6/10/1 1 P DRILL D	100/250	PSIG
SAF	LAST INS			SPECTION	BY / TITLE			CREW	/ M/U		EXTRA C	REWS	/ WHY?		JI L	77.17		O	FFICE NOT	TFIED		OURS PA	ST 24		ВОР	DRILL D	ATE / TIM	E
	CURRENT	DEPTH	F00T	AGE LAST	24 PEN. RA	ATE	RO	OT. HRS	S N	IAX. GAS	BCKGF	R GAS	CONN.	GAS	TRIP G	AS	LAST C		SIZE & SE							G CO		
	ноокьол 109	AD	P	PICKUP WEI		SL/	ACKOF	F		ROTATIN 109	 G	F	ROTARY TO	RQUE					SIZE & SE		Н		DAIL	.Y		S&R	F	RENTAL
	Time 230	Mud W	t IN / OU	T Funne	l Vis PV		YLD P	T 10 S	GEL 10	M GEL	FI. Loss	FILT (CK HTHP	P FL	HTTP F	.C	TODAY	FUI	EL ADDED	TO MUD			AVE	RAGE	0.0	0	0.0	 D
₽	Mud Type dispers	!		% SOLIDS	% LCM %	SAND	% 0		6 H2O 5	рН 9.5	MF	PF	CALCIU		L HLORIDE 600	S	DAILY	0.00	MUD COS			.50	CUM	ULATIVE	0.0	0	0.00	 D
_	CENTRIF				S		R TYP	E		[CREENS 210				CHANG 2625	ED	,	WATER S			CUM DAY:	ULATIVE S	36.	.0	36.0	D
	FROM 700	то 715	HRS 0.25	CODE 21	SAFETY	/ MF	FTIN	NG.			DETAILS	OF OF	PERATIONS	S IN SE	EQUENCE									TIME BR			(Toda	y / Well)
Ì	715	745	0.5	22	RUN ST	RAI	GHT	HOL				TO S	SEAT BO	ОМВ	(TOO	L OP	ENED)						1: RIG L 2: DRIL	LING)WN		288.0 30.25
-	745 1300		5.25 2.0	13 12	WAIT O							casei	ng											3: REAM	NG			54.5
1	1500 1515		0.25 4.25	21 12	safety n			CEMI	ENIT Q	5/2 2	etago													5: CONI		IRC		56.5 134.75
	1930	2300	3.5	14	NIPPLE	UP	B.O.	P. pu	lling p	ipe tub	s out an													7: LUBF 8: REP				26.75
	2300		0.0	14	getting center t		_			out bop	and hy	dril o	n the b	ase	put ce	nter t	ub and	<u>k</u>						9: C/O [10: DEV				1.5 10.75
I I		2315	0.25 0.0	21 14	SAFETY	ME	ETIN	NG																11: WIR 12: RUN			6.25	70.5 21.75
TIME LOG	2315		5.0	14	NIFFLE	<u> </u>	.∪.	r.																	T ON (CEMENT	5.25 3.5	33.5 21.0
TIME																								15: TES 16: DRII	Т ВОР)		5.75
																								17: PLU	GBAC	K		2.25 1.5
																								19: FISI	HING			
																								20: DIR.	WORI		0.75 0.5	21.0 16.5
																											0.5	3.5
																								OTHER Total H			0.0 16.25	6.75 807.5
Ì	BIT#	SIZ	E	TYPE	M	AKE		SI	ERIAL#		NOZ	ZLES			IN @	Ol	UT @	DF	RILLED	HRS	0.0	CUM. H	RS		СО	NDITION		ROP
BITS																					0.0	0						
																					0.0							
Sc	D	epth		GPM	PRESSURE		Pu Liner	mp 1 SPI		Pump 2 er SF		ump 3 r S		Pump ner		Pump	1 Q-Z	PE 9	STROKE 9IN	Man N/A	ufactu	ırer H		Total HR 0.00	S MA	X PSI K	SPR ill Rate	(ILL (SPM)
PUMPS						6	.		6						-	Pump Pump	2 Q-Z	9	9IN	N/A				0.00 0.00				
	SIZE		WEIGHT	GRADE	I.D.		TJ 0.I	n I	THRE	:AD	# JNTS		LENGTH			Pump		Ιp	REPAIRS					0.00 LL STRIN	G RFM	/ARKS		
STRG	<u> </u>		WEIGHT	ORADE	1.5.		10 0.1		11111		<i>" </i>		LLINOTTI		III III CEE		MINAON		CLI Puito					-	-			
DRLL!																												
Ω						\downarrow			T																>E\/I	ATION	OLIDY	EVO.
Si	Co. No.	N										NO	. С	ORILL	ING AS	SEMI	BLY (B	HA)		O.D.	I.D.	LENG	STH	DEF		IATION		AZM
ENGINE	HRS TOD																											
-	HRS LAS	T CHGE				+						 																
	AVERAG DELIVER		Υ		 				HOURS	FL	IEL USED																	
FUEL	On Hand			2173.00 410.00		~	TODAY WELL	,				_																
RIG FI	Used Thi	s Well		-2173.00)	Ĭ Į	BOILER					上												<u> </u>				
ď	DISTRIB						OLUM					Ļ																
MTR	SERIA	AL#	HRS L 24		TOTAL HRS		CUM. ELL HR		FOOTAC LAST 2		TOTAL OOTAGE	F																
MUD MTR												十														 		
<				DESCRIPTION	ON			D	AY RT	STDBY	HRLY																	
ITEMS												上																
														DF	RILL P	IPE			STAN	IDS						DIRECTION	ONS TO	
RENTAL													LY DOWN						SING	LES				1				
RE												TOT WT	AL of COLLAF	RS / DF	RILLSTRIN	IG								}				
	used 41	0 gal o	f fuel									НО	JRS SINCE	LAST	INSPEC	TION					318.	25	Г	EPTH	DR	ILLED		
	 	اک تیدن																		FRO	M	то		CODE		RPM	١	W.O.B.
RKS																												
EMA																												
RTR																												
REPORT REMARKS																												
Œ																												

PI	ONEE	R OII	FIEL	D SEF	RVICES,	LLC			MOF	RNII	NG R	EPOR	$T \mid \frac{1}{2}$	DATE 20101	030	15	110.	JOB TYPE	· ·	JOB NO.		WELLT	
	LLNAME OM Verif	ication	n Well :					LEG	AL DESCRIPTI	ON			•			D DATE / 23-10		80		DAYS FR SF	PUD	PROJE	CTED TD
	ERATOR OM (ARC	HERI	DANIE	MIDL	VND)				NTY / PARISH					STATE	JOB	START D 1 5-10	ATE			DAYS ON JO	ОВ	EST. R	ELEASE
RIG	MANAGEI	R			RIC	PHONE N		OPE	RATORS REPI		ATIVE	CO.	MAN PH N			EASE DA			V	WEATHER	//AE ala:		
OPE	WOOD ERATIONS		RT TIME		61	8-943-00	J53	PI	HUGHES	K					TIONS NEX			_		CLOUDY			
trij	pping ACCIDEN	TS OR N	IEAR MIS	SES:							# OF JSA's	s RIG S	SAFETY DA		ng / finis		G.	hoe trac	DINAT	ES			PRESSURE
Δ	none SAFETY I	MEETING	TOPICS								# STOP CA	RDS LAST	MEETING	DATE			N:	39.8796 \ OWN-O-MA	88- W	8.8934		0/1100/	250 PSIG
SAFETY	tripping	3		PECTION	BY / TITLE	1	CREW M	/11	EXTRA C				AT700		OFFICE I	NOTIFIE	YE				BOP DRIL		
S																	80	.00	AO1 2-				
S	5320.00		5320	age last). 00	24 PEN. RA 0.0	TE RO	OT. HRS	MAX. GA	S BCKGR	GAS	CONN. GAS	S TRIP GA		st cas 5/8	ING SIZE 8	SET DE 532					RIG (COST	S RENTAL
OPS	HOOKLOA 109	V D		ICKUP WE 09	IGHT	SLACKOF 109	F	109	NG	RO	TARY TORG	QUE	NE	XT CAS	ING SIZE 8	SET DE	PTH		DAI	LY			
	Time	Mud W	IN / OU	T Funne	el Vis PV	YLD P	T 10 S GE	L 10 M GEL	Fl. Loss	FILT CK	HTHP FL	. HTTP FO		DAY	FUEL ADD	ED TO N		1	AVE	ERAGE	0.00		0.00
MUD	Mud Type			% SOLIDS		SAND % C		-	MF F		CALCIUM	CHLORIDES	S			COSTS			CUI	MULATIVE	0.00		0.00
Σ	CENTRIFU		[6	i		HAKER TYP		9.5		SCI	64 REENS	6600	СН	ANGED		WATE	R SOL	911.50 IRCE		MULATIVE	37.0		37.0
	FROM	ТО	HRS	CODE	NA	ATIONAL	_		DETAILS	OF OPE		N SEQUENCE		625.00)	HYE)		DAY	-	EAKDOWN		oday / Well)
			0.25	21	safety m		-1														P / DOWN	·	0.5
			4.0 0.75	14 15	finish ni TEST B.				est choke	manif	old to sa	ame								2: DRILL 3: REAM			30.25
			0.75 1.0	6 14				it (bit wo	nt go) head (8 ′	1/9 in k	oit guide	woildad	improp	orly in	neido ce	ea ha	enoo.	1 \		4: CORIN	NG . & CIRC		54.5 56.5
			0.5	22	W.O.O	OWII D.O.	p to cn	eck well	neau (o	1/0 111 1	on guide	wellaea	шргор	erry ii	iside Cs	sy na s	spoo	' '		6: TRIPS	ICATE RIG	4.2	5 139.0
			0.75 0.25	14 21	take spo		well he	ad												8: REPA			26.75 1.5
	1515	1545	0.5	14	nipple d	own wor		_												10: DEVI	ATION		10.75
₉			1.0 2.75	14 14	wait on v			n spool												12: RUN	CSG & CM	INT	70.5 21.75
E LOG	1930	2130	2.0	6	TRIPS in	n hole			herri				00"								ON CEME	Р 10.0	
TIME		2300	0.5 1.0	15 6	TEST B. TRIP in I		pump r	ate 350#	bop test h	ield ar	ınular p	ressure 4	uu# hel	ia ok						15: TEST	T BOP	1.25	7.0
			0.25 0.5	21 6	SAFETY TRIP IN			2710												17: PLU	GBACK EEZE CMI	NT	2.25 1.5
	2345	445	5	2	DRILL st	tage coll	ar (took	5 hours	to cut stag											19: FISH	ING		
	445	700	215	6	droped p	oipe in h	ole. star	t in hole	to see if w	e can	screw ir	nto d.p. so	crewed	into c	l.p POO	H w/ f	ull w	eight		20: DIR.	WORK	0.79	5 21.75 17.0
																						0.5	3.5
																				OTHER Total H		16.7	6.75 75 824.25
	BIT#	SIZ	E	TYPE	MA	KE	SERI	AL#	NOZZ	LES		IN @	OUT @	@	DRILLED	H	IRS	CUM. H	IRS	lotairi	CONDIT		R O P
																		0.00					
ITS																		0.00					
BITS																		0.00					
	De	epth		GPM	PRESSURE	Pui	mp 1	Pump 2		ımp 3		ımp 4		TYPE			/lanufa	0.00	HRS		6 MAX PS	SPR Kill Ra	te KILL (SPM)
	De	epth		GPM	PRESSURE	Pui Liner 6	1		2 Pu SPM Line			SPM	Pump 1 Pump 2	Q-Z9	STRO 9IN 9IN	١		0.00		Total HRS 0.00 0.00	S MAX PS	SI SPR Kill Ra	KILL (SPM)
PUMPS BITS	De	epth		GPM	PRESSURE	Liner	•	Liner				SPM	Pump 2 Pump 3	Q-Z9	9IN	١	/lanufa	0.00		0.00	S MAX PS	SPR Kill Ra	te KILL (SPM)
PUMPS	De SIZE		WEIGHT	GPM GRAD		Liner	SPM	Liner		SPN		SPM	Pump 2	Q-Z9 Q-Z9	9IN	, n	/lanufa	0.00		0.00 0.00 0.00			te KILL (SPM)
PUMPS			WEIGHT			Liner 6	SPM	Liner 5	SPM Line	SPN	/ Liner	SPM	Pump 2 Pump 3 Pump 4	Q-Z9 Q-Z9	9IN 9IN	, n	/lanufa	0.00		0.00 0.00 0.00 0.00			te KILL (SPM)
LLSTRG PUMPS			WEIGHT			Liner 6	SPM	Liner 5	SPM Line	SPN	/ Liner	SPM	Pump 2 Pump 3 Pump 4	Q-Z9 Q-Z9	9IN 9IN	, n	/lanufa	0.00		0.00 0.00 0.00 0.00			te KILL (SPM)
PUMPS			WEIGHT			Liner 6	SPM	Liner 5	SPM Line	SPN	Liner	IN HOLE	Pump 2 Pump 3 Pump 4 ON R	Q-Z9 Q-Z9	9IN 9IN REPAIR	, n	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 ILL STRING	S REMARK	is .	RVEYS
DRLLSTRG PUMPS	SIZE LOCATION Co. No.	N N	WEIGHT			Liner 6	SPM	Liner 5	SPM Line	SPN	Liner	SPM	Pump 2 Pump 3 Pump 4 ON R	Q-Z9 Q-Z9	9IN 9IN REPAIR	S	//anufa	0.00 0.00 acturer		0.00 0.00 0.00 0.00 ILL STRING	PEVIATI	is .	
DRLLSTRG PUMPS	SIZE	N	WEIGHT			Liner 6	SPM	Liner 5	SPM Line	SPN	Liner	IN HOLE	Pump 2 Pump 3 Pump 4 ON R	Q-Z9 Q-Z9	9IN 9IN REPAIR	S	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.1LL STRING	PEVIATI	ON SU	RVEYS
LLSTRG PUMPS	SIZE LOCATION Co. No. HRS TODA	N VELL T CHGE	WEIGHT			Liner 6	SPM	Liner 5	SPM Line	SPN	Liner	IN HOLE	Pump 2 Pump 3 Pump 4 ON R	Q-Z9 Q-Z9	9IN 9IN REPAIR	S	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.1LL STRING	PEVIATI	ON SU	RVEYS
ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS ON V HRS LAST AVERAGE	N VELL CHGE		GRAD	E I.D.	TJ O.E	SPM	Liner S	SPM Line	SPN	Liner	IN HOLE	Pump 2 Pump 3 Pump 4 ON R	Q-Z9 Q-Z9	9IN 9IN REPAIR	S	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.1LL STRING	PEVIATI	ON SU	RVEYS
ENGINES DRLLSTRG	LOCATION Co. No. HRS TOD/ HRS ON V HRS LAST AVERAGE	N VELL CHGE E KVA			E I.D.	TODAY	SPM	Liner S	# JNTS	SPN	Liner	IN HOLE	Pump 2 Pump 3 Pump 4 ON R	Q-Z9 Q-Z9	9IN 9IN REPAIR	S	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.ILL STRING	PEVIATI	ON SU	RVEYS
ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERI On Hand	N VELL F CHGE E KVA ED TODA		2501.00	E I.D.	TODAY WELL BOILER	SPM SPM HO	Liner S	# JNTS	SPN	Liner	IN HOLE	Pump 2 Pump 3 Pump 4 ON R	Q-Z9 Q-Z9	9IN 9IN REPAIR	S	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.ILL STRING	PEVIATI	ON SU	RVEYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS ON V HRS LAST AVERAGE DELIVERI On Hand Used Tod Used This	N VELL CHGE E KVA ED TODA		2501.00 -328.00	E I.D.	TODAY WELL BOILER BLOWD VOLUM	SPM SPM HO	Liner S	# JNTS	SPN	Liner	IN HOLE	Pump 2 Pump 3 Pump 4 ON R	Q-Z9 Q-Z9	9IN 9IN REPAIR	S	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.ILL STRING	PEVIATI	ON SU	RVEYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD HRS ON W HRS LAST AVERAGE On Hand Used Tod Used This Fuel Bran	N VELL CHGE E KVA ED TODA		2501.00 -328.00 -2501.0	E I.D.	TODAY WELL BOILER BLOWD	SPM SPM HO R # DOWN HES	Liner S	# JNTS	SPN	Liner	IN HOLE	Pump 2 Pump 3 Pump 4 ON R	Q-Z9 Q-Z9	9IN 9IN REPAIR	S	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.ILL STRING	PEVIATI	ON SU	RVEYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS ON V HRS LAST AVERAGE On Hand Used Tod Used This Fuel Bran DISTRIBU	N VELL CHGE E KVA ED TODA	Y HRS L	2501.00 -328.00 -2501.0	E I.D.	TJOLE TODAY WELL BOILEF BLOWD VOLUM CUM.	SPM SPM HO R # DOWN HES	Liner S 6	# JNTS	SPN	Liner	IN HOLE	Pump 2 Pump 3 Pump 4 ON R	Q-Z9 Q-Z9	9IN 9IN REPAIR	S	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.ILL STRING	PEVIATI	ON SU	RVEYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS ON V HRS LAST AVERAGE On Hand Used Tod Used This Fuel Bran DISTRIBU	N VELL CHGE E KVA ED TODA	Y HRS L	2501.00 -328.00 -2501.0	E I.D.	TJOLE TODAY WELL BOILEF BLOWD VOLUM CUM.	SPM SPM HO R # DOWN HES	Liner S 6	# JNTS # JNTS TOTAL FOOTAGE	SPN	Liner	IN HOLE	Pump 2 Pump 3 Pump 4 ON R	Q-Z9 Q-Z9	9IN 9IN REPAIR	S	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.ILL STRING	PEVIATI	ON SU	RVEYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS ON V HRS LAST AVERAGE On Hand Used Tod Used This Fuel Bran DISTRIBU	N VELL CHGE E KVA ED TODA	Y HRS L	2501.00 -328.00 -2501.0	E I.D.	TJOLE TODAY WELL BOILEF BLOWD VOLUM CUM.	SPM DO HO R # DOWN HES FOOL LA	Liner S 6	# JNTS # JNTS TOTAL FOOTAGE	SPN	Liner	IN HOLE	Pump 2 Pump 3 Pump 4 ON R	Q-Z9 Q-Z9	9IN 9IN REPAIR	S	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.ILL STRING	PEVIATI	ON SU	RVEYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS ON V HRS LAST AVERAGE On Hand Used Tod Used This Fuel Bran DISTRIBU	N VELL F CHGE E KVA ED TODA	Y HRS L	2501.00 -328.00 -2501.0	E I.D.	TJOLE TODAY WELL BOILEF BLOWD VOLUM CUM.	SPM DO HO R # DOWN HES FOOL LA	Liner S 6	# JNTS # JNTS TOTAL FOOTAGE	SPN	ENGTH DRI	IN HOLE	Pump 2 Pump 3 Pump 4 ON RA	Q-Z9 Q-Z9	9IN 9IN REPAIR:	O.I.	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.ILL STRING	DEVIATI	ON SU	RVEYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS ON V HRS LAST AVERAGE On Hand Used Tod Used This Fuel Bran DISTRIBU	N VELL F CHGE E KVA ED TODA	Y HRS L	2501.00 -328.00 -2501.0	E I.D.	TJOLE TODAY WELL BOILEF BLOWD VOLUM CUM.	SPM DO HO R # DOWN HES FOOL LA	Liner S 6	# JNTS # JNTS TOTAL FOOTAGE	NO.	ENGTH DRI	IN HOLE	Pump 2 Pump 3 Pump 4 ON RA	Q-Z9 Q-Z9	9IN 9IN REPAIRS	S	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.ILL STRING	DEVIATI	ON SU INCL	RVEYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS ON V HRS LAST AVERAGE On Hand Used Tod Used This Fuel Bran DISTRIBU	N VELL F CHGE E KVA ED TODA	Y HRS L	2501.00 -328.00 -2501.0	E I.D.	TJOLE TODAY WELL BOILEF BLOWD VOLUM CUM.	SPM DO HO R # DOWN HES FOOL LA	Liner S 6	# JNTS # JNTS TOTAL FOOTAGE	NO.	DRI	ILLING AS	Pump 2 Pump 3 Pump 4 ON R	Q-Z9 Q-Z9	9IN 9IN REPAIRS	O.I	//anufa	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.ILL STRING	DEVIATI	ON SU INCL	RVEYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS ON V HRS LAST AVERAGE On Hand Used Tod Used This Fuel Brar DISTRIBU SERIA	N VELL F CHGE E KVA ED TODA day s Well ad TOR	Y HRS L. 24	2501.00 -328.00 -2501.0	E I.D.	TJOLE TODAY WELL BOILEF BLOWD VOLUM CUM.	SPM DO HO R # DOWN HES FOOL LA	Liner S 6	# JNTS # JNTS TOTAL FOOTAGE	NO.	ENGTH DRI	IN HOLE	Pump 2 Pump 3 Pump 4 ON RA SEMBLY	Q-Z9 Q-Z9	9IN 9IN REPAIRS	O.I	Manufa I/A I/A	0.00 0.00 acturer	DR	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEVIATI	ON SU INCL	RVEYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS ON V HRS LAST AVERAGE On Hand Used Tod Used This Fuel Bran DISTRIBU	N VELL F CHGE E KVA ED TODA day s Well ad TOR	Y HRS L. 24	2501.00 -328.00 -2501.0	E I.D.	TJOLE TODAY WELL BOILEF BLOWD VOLUM CUM.	SPM DO HO R # DOWN HES FOOL LA	Liner S 6	# JNTS # JNTS TOTAL FOOTAGE	NO.	ENGTH DRI	IN HOLE IN HOLE ORILL PI	Pump 2 Pump 3 Pump 4 ON RA SEMBLY	Q-Z9 Q-Z9	9IN 9IN REPAIRS	S O.I	Manufa I/A I/A	D. LEN	DR	0.00 0.00 0.00 0.00 0.ILL STRING	DEVIATI	ON SU INCL	RVEYS
KS RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS ON V HRS LAST AVERAGE On Hand Used Tod Used This Fuel Brar DISTRIBU SERIA	N VELL F CHGE E KVA ED TODA day s Well ad TOR	Y HRS L. 24	2501.00 -328.00 -2501.0	E I.D.	TJOLE TODAY WELL BOILEF BLOWD VOLUM CUM.	SPM DO HO R # DOWN HES FOOL LA	Liner S 6	# JNTS # JNTS TOTAL FOOTAGE	NO.	ENGTH DRI	IN HOLE IN HOLE ORILL PI	Pump 2 Pump 3 Pump 4 ON RA SEMBLY	Q-Z9 Q-Z9	9IN 9IN REPAIRS	S O.I	Alanufa I/A I/A I/A	0.00 0.00 acturer	DR	DEPTH	DEVIATI	ON SU INCL	RVEYS
KS RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS ON V HRS LAST AVERAGE On Hand Used Tod Used This Fuel Brar DISTRIBU SERIA	N VELL F CHGE E KVA ED TODA day s Well ad TOR	Y HRS L. 24	2501.00 -328.00 -2501.0	E I.D.	TJOLE TODAY WELL BOILEF BLOWD VOLUM CUM.	SPM DO HO R # DOWN HES FOOL LA	Liner S 6	# JNTS # JNTS TOTAL FOOTAGE	NO.	ENGTH DRI	IN HOLE IN HOLE ORILL PI	Pump 2 Pump 3 Pump 4 ON RA SEMBLY	Q-Z9 Q-Z9	9IN 9IN REPAIRS	S O.I	Alanufa I/A I/A I/A	0.00 0.00 acturer	DR	DEPTH	DEVIATI	ON SU INCL	RVEYS
KS RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TODA HRS ON V HRS LAST AVERAGE On Hand Used Tod Used This Fuel Brar DISTRIBU SERIA	N VELL F CHGE E KVA ED TODA day s Well ad TOR	Y HRS L. 24	2501.00 -328.00 -2501.0	E I.D.	TJOLE TODAY WELL BOILEF BLOWD VOLUM CUM.	SPM DO HO R # DOWN HES FOOL LA	Liner S 6	# JNTS # JNTS TOTAL FOOTAGE	NO.	ENGTH DRI	IN HOLE IN HOLE ORILL PI	Pump 2 Pump 3 Pump 4 ON RA SEMBLY	Q-Z9 Q-Z9	9IN 9IN REPAIRS	S O.I	Alanufa I/A I/A I/A	0.00 0.00 acturer	DR	DEPTH	DEVIATI	ON SU INCL	RVEYS
KS RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERI On Hand Used Tod Used This Fuel Bran DISTRIBU SERIA used 32	VELL F CHGE E KVA ED TODA day s Well ad TOR	HRS LA 24	2501.00 -328.00 -2501.0	E I.D. O : I	TODAY WELL BOILEF BLOWD VOLUM WELL HR:	D. HO	COTAGE ST 24	# JNTS # JNTS TOTAL FOOTAGE	NO.	ENGTH DRI O DOWN COLLARS A S SINCE LA	IN HOLE IN HOLE ILLING AS: ORILL PI	Pump 2 Pump 3 Pump 4 ON RA SEMBLY	Q-Z9 Q-Z9	9IN 9IN REPAIRS	S O.I	Alanufa I/A I/A I/A	0.00 0.00 acturer	DR	DEPTH	DEVIATI	ON SU INCL	RVEYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERI On Hand Used Tod Used This Fuel Bran DISTRIBU SERIA used 32	VELL F CHGE E KVA ED TODA day s Well ad TOR	HRS LA 24	2501.00 -328.00 -2501.0	E I.D. O : I	TODAY WELL BOILEF BLOWD VOLUM WELL HR:	D. HO	COTAGE ST 24	# JNTS # JNTS TOTAL FOOTAGE	NO.	ENGTH DRI O DOWN COLLARS A S SINCE LA	IN HOLE IN HOLE ILLING AS: ORILL PI	Pump 2 Pump 3 Pump 4 ON RA SEMBLY	Q-Z9 Q-Z9	9IN 9IN REPAIRS	S O.I	Alanufa I/A I/A I/A	0.00 0.00 acturer	DR	DEPTH	DEVIATI	ON SU INCL	RVEYS

PI	ONEE	R OII	LFIEL	D SEF	RVICES,	LLC			MC)RI	NING	REPOF	RT	2010	01031		RIG NO.	. 306	TYPE	JOB NO.		"-	LL TYPE	
	LLNAME OM Veri	ficatio	n Well :	#1				LE	GAL DESCRIF	PTION						SPUD DA				DAYS FR S	SPUD	PRO	OJECTE	O TD
_	ERATOR	CHERI	DANIE	I MIDI	VND)				UNTY / PARIS	SH				STATE	≣ ,	јов sta 09-15-	RT DATE			DAYS ON 46	JOB	ES.	T. RELE	ASE
RIG	MANAGE	R	DANIL		RIC	3 PHONE I		OF	ERATORS RE		ENTATIVE	СС	. MAN PH		-	RELEAS				WEATHER				
OPE	WOOD	@ REPO			61	18-943-0	1053		T HUGHE	SK				OPER	ATIONS	NEXT 24	4 HRS			CLOUD	Y/45 a	g		
dis	Splaceir ACCIDEN			SES:							# OF .	JSA's RIG	SAFETY		_	oe / tri Y RATE		G.P.S.	COORDIN	ATES	BOP 1	TEST DAT	TE / PRES	SSURE
∠	none SAFETY	MEETING	TOPICS								3 # STO	39 P CARDS LAS	ST MEETIN	NG DATE	<u> </u>		l	N 39.8	796 W -	88.8934 CHECKED	10/29	0/10/11	00/250) PSIG
SAFETY		ng coni	n/. mixi	ing gel	R chem		CREW N	A / 11	EVTDA	CDEM	VS / WHY?	9/2	4AT70			ICE NOT	•	YES	IRS PAST			ORILL DA		
တ																	•	104.00	MOTAGI	- 7				ıL
S	CURRENT	DEPTH	FOOT.	AGE LAST	24 PEN. RA 0.0		ют. нкs . 75	MAX. 0	BAS BCK	GR GA	S CONN	. GAS TRIP G		LAST CA 9 5/8	ASING S	IZE & SE 	T DEPTH 5320	l				6 COS		RENTAL
OPS	HOOKLOA 109	AD		OS WE	IGHT	SLACKO 109	FF	109	TING		ROTARY 1	ORQUE	ı	NEXT CA	ASING S	IZE & SE	T DEPTH	I	D	AILY				
	Time	Mud W	t IN / OU	T Funne	el Vis PV	YLD	PT 10 S G	EL 10 M GI	EL Fl. Loss	FILT	СК НТН	IP FL HTTP	_	TODAY	FUEL	ADDED	то мир им. 0.		А	VERAGE	0.00)	0.0	0
MUD	Mud Type			 % SOLIDS		SAND %	OIL % F	-	MF	PF	CALC		ES			NUD COS	STS		- C	UMULATIVE			0.0	
Σ	CENTRIF		[6	5		HAKER TY		9.5			SCREENS	6600		CHANGE	ĒD .	٧	UM. 13		C	UMULATIVE	_		38.	
	FROM	ТО	HRS	CODE	N/	ATIONA	<u>L</u>		DETAIL	LS OF (210 OPERATION	NS IN SEQUENC		2625.	00	1	HYD		D	AYS TIME BE	REAKDO			y / Well)
			0.25	21	safety m			OUEOK													UP / DOV		1.75	0.5 289.75
	715 945	945 1045	2.5 1.0	6 22	1				STRING :											2: DRIL 3: REA			1.73	30.25
	1045 1200	1200 1400	1.25 2.0	6 22	1							V D.P & PIC LAY IT DO		-6 IN I	D.C					4: COR 5: CON	ING D. & CIF		6.0	54.5 62.5
	1400		1.0	22	CHANG			K H.WV D	.F IIN IVIOC	JSE I	HOLE &	LAT II DO	WIN							6: TRIP	S RICATE I		9.25	148.25
	1500 1515	1515 1700	0.25 1.75	21 23	safety m		dies out	of slins												8: REP	AIR RIG			26.75 1.5
	1700	1745	0.75	6	lay dow	n hwdp		•												10: DE	VIATION			10.75
ပ္		2030 2100	2.75 0.5	6 15	TRIPS in TEST B.				-	for to	en min. (@ 400 / 383 () ft							12: RU	RELINE L N CSG &	CMNT		70.5
TIME LOG	2100	2300	2.0	6	TRIP in	hole to	5110	,IU 100		ے. دن		, 0000									IT ON CE	ſ		33.5 31.0
M	1		0.25 1.75	21	SAFETY DRILL C															15: TES	ST BOP		0.5	7.5
		0145 0215	0.75 0.5	5	CIRCUL		TEST BO	OP 10 MI	N HELD											17: PLU	JGBACK UEEZE (2.25 1.5
			4.75	5	CLEAN		LL PITS													19: FIS	HING			
																					. WORK		0.75 4.0	22.5 21.0
																							4.0 1.75	5.25
																				OTHEI Total			0.0 24.0	6.75 848.25
	BIT#	SIZ		TYPE		KE		IAL#		ZZLES	6	IN @	OUT	Т @	DRIL	LED	HRS	C	UM. HRS	Total		DITION	24.0	R O P
		0.4/0	CV				607000	20 2	.4 ?															
ITS	9	8 1/2 8 1/2	GX	44CDX 44	HTC HTC		607008		(12 (12			5320 5320												
BITS		_																0.00						
BITS	9	8 1/2				Pı	607008 ump 1		0 2	Pump		5320 Pump 4		TY		STROKE		0.00 0.00 ufacture	er HRS		RS MAX	(PSI Kil	SPR Il Rate	KILL (SPM)
BITS	9	_		44	HTC	Pi Line	607008 ump 1	32 3>	(12			5320	Pump 1 Pump 2	1 Q-Z9	9	STROKE IN IN	Man N/A N/A	0.00	er HRS	Total HF 0.00 0.00	RS MAX	(PSI Kii	SPR Il Rate	KILL (SPM)
PUMPS BITS	9	8 1/2		44	HTC	Line	607008 ump 1	Pum Liner	0 2			5320 Pump 4	Pump 2	Q-Z9 Q-Z9	9	IN	N/A	0.00	er HRS	0.00	RS MAX	(PSI Ki	SPR Rate	KILL (SPM)
PUMPS BITS	9	8 1/2 epth		44	PRESSURE	Line	607008 ump 1 r SPM	Pum Liner	0 2	ner		Pump 4 iner SPM	Pump 2 Pump 3 Pump 4	Q-Z9 Q-Z9	9	IN	N/A	0.00		0.00 0.00 0.00			SPR II Rate	KILL (SPM)
PUMPS BITS	9 D	8 1/2 epth	GX	GPM	PRESSURE	Line 6	607008 ump 1 r SPM	Pum Liner 6	SPM Lin	ner	SPM L	Pump 4 iner SPM	Pump 2 Pump 3 Pump 4	1 Q-Z9 2 Q-Z9 3	9	IN IN	N/A	0.00		0.00 0.00 0.00 0.00			SPR II Rate	KILL (SPM)
LLSTRG PUMPS BITS	9 D	8 1/2 epth	GX	GPM	PRESSURE	Line 6	607008 ump 1 r SPM	Pum Liner 6	SPM Lin	ner	SPM L	Pump 4 iner SPM	Pump 2 Pump 3 Pump 4	1 Q-Z9 2 Q-Z9 3	9	IN IN	N/A	0.00		0.00 0.00 0.00 0.00			SPR ii Rate	KILL (SPM)
PUMPS BITS	9 D	8 1/2 epth	GX	GPM	PRESSURE	Line 6	607008 ump 1 r SPM	Pum Liner 6	SPM Lin	rs S	SPM L	Pump 4 iner SPM H IN HOLE	Pump 2 Pump 3 Pump 4 ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN	N/A	0.00 ufactur		0.00 0.00 0.00 0.00 ORILL STRIN	IG REMA			
DRLLSTRG PUMPS BITS	9 SIZE LOCATIO Co. No.	epth	GX	GPM	PRESSURE	Line 6	607008 ump 1 r SPM	Pum Liner 6	SPM Lin	rs S	SPM L	Pump 4 iner SPM	Pump 2 Pump 3 Pump 4 ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN	N/A N/A	0.00		0.00 0.00 0.00 0.00 ORILL STRIN	IG REMA	ARKS	SURV	
DRLLSTRG PUMPS BITS	9 D	epth	GX	GPM	PRESSURE	Line 6	607008 ump 1 r SPM	Pum Liner 6	SPM Lin	rs S	SPM L	Pump 4 iner SPM H IN HOLE	Pump 2 Pump 3 Pump 4 ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN	N/A N/A	0.00 ufactur		0.00 0.00 0.00 0.00 DRILL STRIN	IG REMA	ARKS	SURV	'EYS
DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD	epth N AY WELL T CHGE	GX	GPM	PRESSURE	Line 6	607008 ump 1 r SPM	Pum Liner 6	SPM Lin	rs S	SPM L	Pump 4 iner SPM H IN HOLE	Pump 2 Pump 3 Pump 4 ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN	N/A N/A	0.00 ufactur		0.00 0.00 0.00 0.00 DRILL STRIN	IG REMA	ARKS	SURV	'EYS
ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS LAS AVERAG	epth N AY WELL T CHGE E KVA ED TODA	WEIGHT	GPM GRAD	PRESSURE	TJ O	607008	Pum Liner 6	SPM Lin	ner N	SPM L	Pump 4 iner SPM H IN HOLE	Pump 2 Pump 3 Pump 4 ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN	N/A N/A	0.00 ufactur		0.00 0.00 0.00 0.00 DRILL STRIN	IG REMA	ARKS	SURV	'EYS
ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS	epth N AY WELL T CHGE E KVA ED TODA	WEIGHT	GPM	PRESSURE	TODA	.D. H	Pum Liner 6 THREAD	SPM Lin	ner N	SPM L	Pump 4 iner SPM H IN HOLE	Pump 2 Pump 3 Pump 4 ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN	N/A N/A	0.00 ufactur		0.00 0.00 0.00 0.00 DRILL STRIN	IG REMA	ARKS	SURV	'EYS
ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD. HRS LAS AVERAG DELIVER On Hand	epth N AY WELL T CHGE E KVA ED TODA day s Well	WEIGHT	GPM GRAD 2542.00	PRESSURE L.D.	Line 6 TJ 0 TODA' WELL BOILE	607008 ump 1 r SPM D. H Y ER #	Pum Liner 6 THREAD	SPM Lin	ner N	SPM L	Pump 4 iner SPM H IN HOLE	Pump 2 Pump 3 Pump 4 ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN	N/A N/A	0.00 ufactur		0.00 0.00 0.00 0.00 DRILL STRIN	IG REMA	ARKS	SURV	'EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi	epth N AY WELL T CHGE E KVA ED TODA day s Well nd	WEIGHT	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D.	TODAY WELL BOILE BLOW VOLU	GO7008 LUMP 1 T SPM D. H Y CR # DOWN MES	Pum Liner 6	# JNT	ner N	SPM L	Pump 4 iner SPM H IN HOLE	Pump 2 Pump 3 Pump 4 ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN	N/A N/A	0.00 ufactur		0.00 0.00 0.00 0.00 DRILL STRIN	IG REMA	ARKS	SURV	'EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi Fuel Brai	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR	WEIGHT	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE L.D.	TODA' WELL BOILE BLOW	607008	Pum Liner 6 THREAD	SPM Lin	N N	SPM L	Pump 4 iner SPM H IN HOLE	Pump 2 Pump 3 Pump 4 ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN	N/A N/A	0.00 ufactur		0.00 0.00 0.00 0.00 DRILL STRIN	IG REMA	ARKS	SURV	'EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid DISTRIBU	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR	WEIGHT	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D. O TOTAL	TJO TODA WELL BOILE BLOW VOLU CUM.	607008	Pum Liner 6 THREAD OURS	TOTAL	N N	SPM L	Pump 4 iner SPM H IN HOLE	Pump 2 Pump 3 Pump 4 ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN	N/A N/A	0.00 ufactur		0.00 0.00 0.00 0.00 DRILL STRIN	IG REMA	ARKS	SURV	'EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid DISTRIBU	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR	WEIGHT HRS L	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D. O TOTAL HRS	TJO TODA WELL BOILE BLOW VOLU CUM.	607008	Pum Liner 6 THREAD OURS OURS	# JNT # JNT FUEL USED	N N	SPM L	Pump 4 iner SPM H IN HOLE	Pump 2 Pump 3 Pump 4 ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN	N/A N/A	0.00 ufactur		0.00 0.00 0.00 0.00 DRILL STRIN	IG REMA	ARKS	SURV	'EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid DISTRIBU	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR	WEIGHT HRS L	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D. O TOTAL HRS	TJO TODA WELL BOILE BLOW VOLU CUM.	607008	Pum Liner 6 THREAD OURS OURS	# JNT # JNT FUEL USED	N N	SPM L	Pump 4 iner SPM H IN HOLE	Pump 2 Pump 3 Pump 4 ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN	N/A N/A	0.00 ufactur		0.00 0.00 0.00 0.00 DRILL STRIN	IG REMA	ARKS	SURV	'EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid DISTRIBU	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR	WEIGHT HRS L	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D. O TOTAL HRS	TJO TODA WELL BOILE BLOW VOLU CUM.	607008	Pum Liner 6 THREAD OURS OURS	# JNT # JNT FUEL USED	N N	SPM L	Pump 4 iner SPM H IN HOLE DRILLING A	Pump 3 Pump 4 ON ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	PAIRS	O.D.	0.00 ufactur		0.00 0.00 0.00 0.00 DRILL STRIN	DEVIA PTH	ARKS	SURV	'EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid DISTRIBU	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR	WEIGHT HRS L	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D. O TOTAL HRS	TJO TODA WELL BOILE BLOW VOLU CUM.	607008	Pum Liner 6 THREAD OURS OURS	# JNT # JNT FUEL USED	N N	SPM L	Pump 4 iner SPM H IN HOLE DRILLING A	Pump 3 Pump 4 ON ON	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN	O.D.	0.00 ufactur		0.00 0.00 0.00 0.00 DRILL STRIN	DEVIA PTH	ATION	SURV	'EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid DISTRIBU	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR	WEIGHT HRS L	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D. O TOTAL HRS	TJO TODA WELL BOILE BLOW VOLU CUM.	607008	Pum Liner 6 THREAD OURS OURS	# JNT # JNT FUEL USED	N N	LENGTI NO.	Pump 4 iner SPM H IN HOLE DRILLING AS DRILL F	Pump 2 Pump 3 Pump 4 SSEMBI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN PAIRS STAN	O.D.	0.00 ufactur		0.00 0.00 0.00 0.00 DRILL STRIN	DEVIA PTH	ATION	SURV	'EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid DISTRIBU	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR	WEIGHT HRS L	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D. O TOTAL HRS	TJO TODA WELL BOILE BLOW VOLU CUM.	607008	Pum Liner 6 THREAD OURS OURS	# JNT # JNT FUEL USED	N N N N N N N N N N N N N N N N N N N	LENGTI IO. IO. IO. IO. IO. IO. IO. I	Pump 4 iner SPM H IN HOLE DRILLING A	Pump 3 Pump 4 SSEMBI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN PAIRS STAN	O.D.	0.00 ufactur		O.00 O.00 O.00 ORILL STRIN	DEVIA PTH	ARKS	SURV	'EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Braid DISTRIBU	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR	WEIGHT HRS L 24	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D. O TOTAL HRS	TJO TODA WELL BOILE BLOW VOLU CUM.	607008	Pum Liner 6 THREAD OURS OURS	# JNT # JNT FUEL USED	N N N N N N N N N N N N N N N N N N N	LENGTI IO. IO. IO. IO. IO. IO. IO. I	Pump 4 iner SPM H IN HOLE DRILLING AS DRILL F	Pump 3 Pump 4 SSEMBI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN PAIRS STAN	O.D.	I.D.		0.00 0.00 0.00 0.00 DRILL STRIN	DEVIA PTH	ARKS	SURV	'EYS
KS RENTALITEMS MUDMTR RIGFUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai DISTRIBU	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR	WEIGHT HRS L 24	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D. O TOTAL HRS	TJO TODA WELL BOILE BLOW VOLU CUM.	607008	Pum Liner 6 THREAD OURS OURS	# JNT # JNT FUEL USED	N N N N N N N N N N N N N N N N N N N	LENGTI IO. IO. IO. IO. IO. IO. IO. I	Pump 4 iner SPM H IN HOLE DRILLING AS DRILL F	Pump 3 Pump 4 SSEMBI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN PAIRS STAN	O.D. DS LES	I.D.	LENGTH	DEPTH	DEVIA PTH	ARKS	SURV	/EYS AZM
KS RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai DISTRIBU	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR	WEIGHT HRS L 24	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D. O TOTAL HRS	TJO TODA WELL BOILE BLOW VOLU CUM.	607008	Pum Liner 6 THREAD OURS OURS	# JNT # JNT FUEL USED	N N N N N N N N N N N N N N N N N N N	LENGTI IO. IO. IO. IO. IO. IO. IO. I	Pump 4 iner SPM H IN HOLE DRILLING AS DRILL F	Pump 3 Pump 4 SSEMBI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN PAIRS STAN	O.D. DS LES	I.D.	LENGTH	DEPTH	DEVIA PTH	ARKS	SURV	/EYS AZM
KS RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai DISTRIBU	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR	WEIGHT HRS L 24	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D. O TOTAL HRS	TJO TODA WELL BOILE BLOW VOLU CUM.	607008	Pum Liner 6 THREAD OURS OURS	# JNT # JNT FUEL USED	N N N N N N N N N N N N N N N N N N N	LENGTI IO. IO. IO. IO. IO. IO. IO. I	Pump 4 iner SPM H IN HOLE DRILLING AS DRILL F	Pump 3 Pump 4 SSEMBI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN PAIRS STAN	O.D. DS LES	I.D.	LENGTH	DEPTH	DEVIA PTH	ARKS	SURV	/EYS AZM
KS RENTALITEMS MUDMTR RIGFUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS' AVERAG DELIVER On Hand Used Too Used Thi Fuel Brain DISTRIBU SERIA	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR 28 gal of	WEIGHT HRS L. 24	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D. O TOTAL HRS	TJO TODA WELL BOILE BLOW VOLU CUM.	607008	Pum Liner 6 THREAD OURS OURS	# JNT # JNT FUEL USED	N N N N N N N N N N N N N N N N N N N	LENGTI IO. IO. IO. IO. IO. IO. IO. I	Pump 4 iner SPM H IN HOLE DRILLING AS DRILL F	Pump 3 Pump 4 SSEMBI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN PAIRS STAN	O.D. DS LES	I.D.	LENGTH	DEPTH	DEVIA PTH	ARKS	SURV	/EYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BITS	SIZE LOCATIO Co. No. HRS TOD HRS ON V HRS LAS' AVERAG DELIVER On Hand Used Too Used Thi Fuel Brain DISTRIBU SERIA	epth N AY WELL T CHGE E KVA ED TODA day s Well nd JTOR 28 gal of	WEIGHT HRS L. 24	GPM GRAD 2542.00 -41.00 -2542.0	PRESSURE I.D. O TOTAL HRS	TJO TODA WELL BOILE BLOW VOLU CUM.	607008	Pum Liner 6 THREAD OURS OURS	# JNT # JNT FUEL USED	N N N N N N N N N N N N N N N N N N N	LENGTI IO. IO. IO. IO. IO. IO. IO. I	Pump 4 iner SPM H IN HOLE DRILLING AS DRILL F	Pump 3 Pump 4 SSEMBI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 P P P P P P P P P P P P P P P P P	IN IN PAIRS STAN	O.D. DS LES	I.D.	LENGTH	DEPTH	DEVIA PTH	ARKS	SURV	/EYS AZM

Р	10	NEER O	ILFIE	LD SE	RVICE	S. L	.LC				MOI	RNI	NG R	REPOF	Σ Τ	DATE 201	0110	1	RIG N	10. JC	B TYPE	J	OB NO.		W	ELL TYPE	=
WE	ELLN	IAME I Verificati								LEGAL	DESCRIPTI		110 1	CLI OI	<u> </u>	201	0110	SPUD	DATE / TI 3-10 1			D 39	AYS FR S	PUD	PI	ROJECTE	D TD
ОР	ERA	TOR (ARCHE			AND)					соинт	TY / PARISH	l				STAT	E	JOB S	TART DAT	ΓE		\rightarrow	AYS ON J	ЮВ	E	ST. RELE	ASE
RIG	G MA	ANAGER /OOD			,		HONE NU			OPERA	ATORS REPI		TATIVE	cc	. MAN F			4	SE DATE			w	/EATHER		da b		
ОР	ERA	TIONS @ REF		Ξ														NS NEXT	24 HRS	ı / core	eina						
	A	CCIDENTS OF		ISSES:									# OF JS#	A's RIG		Y DAYS		ETY RAT		G.P.S.	COORE 8796 V	INATE V -88	ES 3.8934			ATE / PRE	
FETY	SA	AFETY MEETII		S									# STOP C	ARDS LAS		ING DAT	E				N-O-MAT					DATE / TIN	
SAI		AST INSPECTI		NSPECTION	BY / TITL	E		CREW	M / U		EXTRA C	REWS /	WHY?	0/2			0	FFICE N	OTIFIED		OURS PA	ST 24		ВОР	DRILL D	DATE / TIN	IE
		JRRENT DEPT		TAGE LAS				T. HRS	М	AX. GAS	BCKGR	RGAS	CONN. G	AS TRIP G	AS			SIZE &	SET DEPT					RI	G CO	STS	
OPS	но	I25 OOKLOAD	'	5.00 PICKUP W			8.0			ROTATING	<u> </u> 3	RC	TARY TOR	RQUE		13 3/8 NEXT C		SIZE &	350 SET DEP	ГН		DAIL	v		S&R		RENTAL
	10 Tin	ne Mud	Wt IN / C		el Vis I	٧٧		Γ 10 S (GEL 10	109 M GEL F		FILT C	K HTHP F	FL HTTP	FC		FU	EL ADDE	D TO MU					0.0	^	0.0	•
9		ıd Type		42 % SOLIDS		7 % SAI	11 ND % O	4 IL %		pH		1/32 PF	CALCIUN	/ CHLORID		TODAY		MUD C					RAGE ULATIVE			0.0	
MUD	_	III gel ENTRIFUGES		4		_	ER TYPE		6	10.5			CREENS	13500		DAILY	ED	0.50		163272 SOURCE		CUM	ULATIVE	+			
	FI	ROM TO	HRS	CODE		NAT	IONAL	_			DETAILS		210 ERATIONS	IN SEQUENC	E	2625	.00		HYD			DAY	S TIME BR	39.		39.	y / Well)
	70		0.25	21			IEETIN			- MILID													1: RIG l	JP / DO			0.5
		500 1515	0.25	5 21	SAFE	TY N	IEETIN	IG		& MUD													2: DRIL 3: REAL	MING		8.0	297.75 30.25
		515 2015 015 2045		5 2			N MUE OM 531			ATE P	UMP OU	IT RE	SERVE	PIT PICK	UP P	PIPE M	OVE	PIPE	RACK	<u>S</u>			4: COR	D. & C	IRC	14.25	54.5 76.75
	20	2130	0.75	2	DRIL	SH	DE @	5313	TO 53) F204												6: TRIP		RIG		148.25
		130 2215 215 2300	0.75 0.75	5 14						ATE @		NKLI	N PRES	SURE TE	STING	G CAS	ING	TO 300) PSI F	OR 3	0 MIN.		8: REP/ 9: C/O [26.75 1.5
	23	300 2315	5 0.25	21			<u>Q @ S</u> IEETIN) SHO	E HEL	D												10: DEV				10.75 70.5
90-	23	315 2330	0.25	15	CON	TINU	E FIT 1	ΓEST	105														•		& CMNT		21.75 33.5
TIMEL			6.75 0.75	5			OM 53 N MU[ATE F	OR COF	RE											14: NIP 15: TES	PLE U	ВОР	0.75 0.25	31.75 7.75
F	\vdash																							LL STE	M TEST		2.25
	F																						18: SQL	JEEZE			1.5
	E																						20: DIR		(0.75	23.25
	H																										21.0
	F																										3.23
	E																						OTHER	₹		0.0	6.75
	H	BIT# I S	SIZE	TYPE		MAKE		SEI	RIAL#		NOZZ	ZLES		IN @	OI	JT @	DF	RILLED	HR	s I	CUM. H	RS	Total I		NDITION	24.0	872.25 R O P
လ	9	8 1/	2 G	X44	HTC			60700	82	3X12				F000	_					0.0	0						
I —	9	8 1/						60700	82	3X12				5320 5320													
BIT	9	8 1/ 8 1/	/2 G	X44 X44	HTC HTC			60700 60700		3X12 3X12				5320 5320 5320						0.0	00						
BII	_		/2 G	X44	нтс	JRE		60700 np 1)82	3X12 Pump 2	Pı	ump 3		5320 5320 Sump 4			(PE	STROI		0.0 0.0 0.0 nufacti	00		Total HR	S MA	X PSI	SPR (ill Rate	KILL (SPM)
BII	_	8 1/	/2 G	X44 X44	HTC	JRE	Pur Liner 6	60700)82	3X12 Pump 2	Pı			5320 5320 Pump 4		TY 1 Q-Z9 2 Q-Z9	9	STROI 9IN 9IN	KE Ma	0.0 0.0 0.0 nufactu	00	(0.00 0.00	S MA	X PSI	SPR (ill Rate	KILL (SPM)
BII	_	8 1/	/2 G	X44 X44	HTC HTC	JRE	Liner	60700 mp 1 SPM	82 F	3X12 Pump 2 er SP	Pı			5320 5320 Sump 4		1 Q-Z9 2 Q-Z9 3	9	9IN	N/A	0.0 0.0 0.0 nufactu	00	(0.00	S MA	X PSI	SPR (ill Rate	KILL (SPM)
PUMPS BIT	_	8 1/	/2 G	X44 X44 GPM	HTC HTC PRESSI 1350		Liner	60700 mp 1 SPM 50	82 F	3X12 Pump 2 er SP 50	Pı	r SP		5320 5320 Sump 4	Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN	N//	0.0 0.0 0.0 nufactu	00	(0.00 0.00 0.00			SPR (ill Rate	KILL (SPM)
STRG PUMPS BIT	_	8 1/	/2 G	X44 X44 GPM	HTC HTC PRESSI 1350		Liner 6	60700 mp 1 SPM 50	P82	3X12 Pump 2 er SP 50	Pu M Line	r SP	M Line	5320 5320 Pump 4 er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N//	0.0 0.0 0.0 nufactu	00	(0.00 0.00 0.00 0.00			SPR (ill Rate	KILL (SPM)
BII	_	8 1/	/2 G	X44 X44 GPM	HTC HTC PRESSI 1350		Liner 6	60700 mp 1 SPM 50	P82	3X12 Pump 2 er SP 50	Pu M Line	r SP	M Line	5320 5320 Pump 4 er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N//	0.0 0.0 0.0 nufactu	00	(0.00 0.00 0.00 0.00			SPR (ill Rate	KILL (SPM)
DRLLSTRG PUMPS BIT	9	Depth SIZE	/2 G	X44 X44 GPM	HTC HTC PRESSI 1350		Liner 6	60700 mp 1 SPM 50	P82	3X12 Pump 2 er SP 50	Pu M Line	r SP	LENGTH	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN REPAIRS	N//	0.0 0.0 0.0 nufactu	DO D	DRI	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	I SURV	/EYS
DRLLSTRG PUMPS BIT	9 LO Co	Depth SIZE DCATION D. No. RS TODAY	/2 G	X44 X44 GPM	HTC HTC PRESSI 1350		Liner 6	60700 mp 1 SPM 50	P82	3X12 Pump 2 er SP 50	Pu M Line	NO.	LENGTH DF KELLY BIT	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.C 0.C nufactu A	LENG 42 43	DRI	0.00 0.00 0.00 0.00 LL STRIN	G REM	IARKS	I SURV	
DRLLSTRG PUMPS BIT	9 LO Co HR	Depth SIZE OCATION D. No.	WEIGHT	X44 X44 GPM	HTC HTC PRESSI 1350		Liner 6	60700 mp 1 SPM 50	P82	3X12 Pump 2 er SP 50	Pu M Line	r SP	LENGTH DF	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.C 0.C nufactu A	LENG	DRI	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	I SURV	/EYS
STRG PUMPS BIT	9 LO Co HR HR	Depth SIZE CCATION D. No. RS TODAY RS ON WELL RS LAST CHG	WEIGHT	X44 X44 GPM	HTC HTC PRESSI 1350		Liner 6	60700 mp 1 SPM 50	F Line 6	3X12 Pump 2 er SP 50	# JNTS	NO.	LENGTH DF KELLY BIT	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.C 0.C nufactu A	LENG 42 43	DRI	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	I SURV	/EYS
ENGINES DRLLSTRG PUMPS BIT	9 LO Co HR HR AV	Depth SIZE DCATION D. NO. RS TODAY RS ON WELL RS LAST CHGI //ERAGE KVA ELIVERED TO IN Hand	WEIGHT	GPM GRAI	PRESSI 1350	D	TJ O.D	60700 mp 1 SPM 50	P82	3X12 Pump 2 er SP 50	Pu M Line	NO.	LENGTH DF KELLY BIT	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.C 0.C nufactu A	LENG 42 43	DRI	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	I SURV	/EYS
ENGINES DRLLSTRG PUMPS BIT	9 LO Co HR HF HF OI Us	Depth SIZE DCATION D. No. RS TODAY RS ON WELL RS LAST CHGI //ERAGE KVA	WEIGHT	GPM GRAI	PRESSI 1350	D	TODAY WELL	60700 mp 1 SPM 50	F Line 6	3X12 Pump 2 er SP 50	# JNTS	NO.	LENGTH DF KELLY BIT	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.C 0.C nufactu A	LENG 42 43	DRI	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	I SURV	/EYS
DRLLSTRG PUMPS BIT	B LO Co HR HR AV	Depth SIZE DCATION D. No. RS TODAY RS ON WELL RS LAST CHGI //ERAGE KVA ELIVERED TO In Hand Sed Today	WEIGHT	GPM GRAI 1927.0 615.00	PRESSI 1350		TJ O.D	60700 mp 1 SPM 50	F Line 6	3X12 Pump 2 er SP 50	# JNTS	NO.	LENGTH DF KELLY BIT	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.C 0.C nufactu A	LENG 42 43	DRI	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	I SURV	/EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BIT	B LO Co HR HR AV	Depth SIZE DCATION D. NO. RS TODAY RS ON WELL RS LAST CHGI //ERAGE KVA ELIVERED TO In Hand sed Today sed This Well uel Brand	WEIGHT HRS	GPM GRAI 1927.0 615.00	PRESSI 1350	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	60700 mp 1 SPM 50	B2 Lind 6 THREA	3X12 Pump 2 er SP 50 AD	# JNTS	NO.	LENGTH DF KELLY BIT	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.C 0.C nufactu A	LENG 42 43	DRI	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	I SURV	/EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BIT	B LO Co HR HR AV	Depth SIZE DCATION D. No. RS TODAY RS ON WELL RS LAST CHGI //ERAGE KVA ELIVERED TO In Hand sed Today sed This Well usel Brand ISTRIBUTOR	WEIGHT HRS	GPM GPM 1927.0 615.00 -1927.0	PRESSI 1350 DE I.I.	BOILER	TODAY WELL BOILER BLOWD	60700 mp 1 SPM 50	B2 F Line 6	3X12 Pump 2 er SP 50 AD	# JNTS	NO.	LENGTH DF KELLY BIT	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.C 0.C nufactu A	LENG 42 43	DRI	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	I SURV	/EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BIT	B LO Co HR HR AV	Depth SIZE DCATION D. No. RS TODAY RS ON WELL RS LAST CHGI //ERAGE KVA ELIVERED TO In Hand sed Today sed This Well usel Brand ISTRIBUTOR	WEIGHT HRS	GPM 1927.0 615.00 -1927.0	PRESSI 1350 DE I.I.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	60700 mp 1 SPM 50	B2 Lind 6 THREA HOURS	3X12 Pump 2 er SP 50 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH DF KELLY BIT	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.C 0.C nufactu A	LENG 42 43	DRI	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	I SURV	/EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	B LO Co HR HR AV	Depth SIZE DCATION D. No. RS TODAY RS ON WELL RS LAST CHGI //ERAGE KVA ELIVERED TO In Hand sed Today sed This Well usel Brand ISTRIBUTOR	WEIGHT HRS	GPM GPM 1927.0 615.00 -1927.0	PRESSI 1350 DE I.I.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	60700 mp 1 SPM 50	B2 Lind 6 THREA	3X12 Pump 2 er SP 50 AD	# JNTS	NO.	LENGTH DF KELLY BIT	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.C 0.C nufactu A	LENG 42 43	DRI	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	I SURV	/EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	B LO Co HR HR AV	Depth SIZE DCATION D. No. RS TODAY RS ON WELL RS LAST CHGI //ERAGE KVA ELIVERED TO In Hand sed Today sed This Well usel Brand ISTRIBUTOR	WEIGHT HRS	GPM 1927.0 615.00 -1927.0	PRESSI 1350 DE I.I.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	60700 mp 1 SPM 50	B2 Lind 6 THREA HOURS	3X12 Pump 2 er SP 50 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH DF KELLY BIT	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN	N/A	0.C 0.C nufactu A	LENG 42 43 601.2	DRI	0.00 0.00 0.00 0.00 LL STRIN	DEVI	ATION	I SURV	/EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	B LO Co HR HR AV	Depth SIZE DCATION D. No. RS TODAY RS ON WELL RS LAST CHGI //ERAGE KVA ELIVERED TO In Hand sed Today sed This Well usel Brand ISTRIBUTOR	WEIGHT HRS	GPM 1927.0 615.00 -1927.0	PRESSI 1350 DE I.I.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	60700 mp 1 SPM 50	B2 Lind 6 THREA HOURS	3X12 Pump 2 er SP 50 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 1 6 57 2 2	LENGTH DF KELLY BIT	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN SEPAIRS	O.D.	I.D.	LENG 42 43 601.2	DRI	0.00 0.00 0.00 0.00 LL STRIN	DEVI	ATION	I SURV	/EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	B LO Co HR HR AV	Depth SIZE DCATION D. No. RS TODAY RS ON WELL RS LAST CHGI //ERAGE KVA ELIVERED TO In Hand sed Today sed This Well usel Brand ISTRIBUTOR	WEIGHT HRS	GPM 1927.0 615.00 -1927.0	PRESSI 1350 DE I.I.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	60700 mp 1 SPM 50	B2 Lind 6 THREA HOURS	3X12 Pump 2 er SP 50 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 1 6 57 2 KELL TOTA	LENGTH DF KELL BIT D.C.	5320 5320 Pump 4 er SPM IN HOLE	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN SEPAIRS	N// N// N// O.D.	I.D. 4686 63.6:	LENG 42 43 601.2	DRI	0.00 0.00 0.00 0.00 LL STRIN	DEVI	ATION	I SURV	/EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	9 LO Co HR HR OI US FL DI	Depth SIZE DCATION D. No. RS TODAY RS ON WELL RS LAST CHGI /ERAGE KVA ELIVERED TO In Hand sed Today sed This Well Jel Brand STRIBUTOR SERIAL #	WEIGHT HRS	GPM 1927.0 615.00 -1927.0	PRESSI 1350 DE I.I.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	60700 mp 1 SPM 50	B2 Lind 6 THREA HOURS	3X12 Pump 2 er SP 50 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 1 6 57 2 KELL TOTA WT o	LENGTH DF KELL BIT D.C.	5320 5320 Pump 4 Per SPM IN HOLE	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN SEPAIRS	N// N// N// O.D.	I.D. 4686 63.63	LENG 42 43 601.2	DRI	D.00 D.00 D.00 D.00 D.00 D.00 D.00 D.00	DEVI PTH	ATION	I SURV	/EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	B LO Co HR HR HR DI US S FL DI US	Depth SIZE DCATION D. NO. RS TODAY RS ON WELL RS LAST CHG /ERAGE KVA ELIVERED TO IN Hand Sed Today Sed This Well Jule Brand ISTRIBUTOR SERIAL #	WEIGHT HRS 2 of fuel	GPM GPM 1927.0 615.00 -1927.0 LAST 4	PRESSI 1350 DE I.I.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	60700 mp 1 SPM 50	B2 Lind 6 THREA HOURS	3X12 Pump 2 er SP 50 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 1 6 57 2 KELL TOTA WT o	LENGTH DF KELL BIT D.C.	5320 5320 Pump 4 Per SPM IN HOLE DRILLING ASY	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN SEPAIRS	O.D. ANDS GLES	I.D. 4686 63.6 5436 1260 328.	LENG 42 43 601.2 6.65 3 6.52 600 0	DRI	0.00 0.00 0.00 0.00 LL STRIN	DEVI PTH	ATION	I SURV	/EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	B LO Co HR HR HR DI US S FL DI US	Depth SIZE DCATION D. No. RS TODAY RS ON WELL RS LAST CHGI /ERAGE KVA ELIVERED TO In Hand sed Today sed This Well Jel Brand STRIBUTOR SERIAL #	WEIGHT HRS 2 of fuel	GPM GPM 1927.0 615.00 -1927.0 LAST 4	PRESSI 1350 DE I.I.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	60700 mp 1 SPM 50	B2 Lind 6 THREA HOURS	3X12 Pump 2 er SP 50 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 1 6 57 2 KELL TOTA WT o	LENGTH DF KELL BIT D.C.	5320 5320 Pump 4 Per SPM IN HOLE DRILLING ASY	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN SEPAIRS	O.D. ANDS GLES	I.D. 4686 63.63 5436 1260 328.0	LENG 42 43 601.2	DRI	DEPTH CODE	DEVI PTH	ATION	I SURV	ZEYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	B LO Co HR HR HR DI US S FL DI US	Depth SIZE DCATION D. NO. RS TODAY RS ON WELL RS LAST CHG /ERAGE KVA ELIVERED TO IN Hand Sed Today Sed This Well Jule Brand ISTRIBUTOR SERIAL #	WEIGHT HRS 2 of fuel	GPM GPM 1927.0 615.00 -1927.0 LAST 4	PRESSI 1350 DE I.I.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	60700 mp 1 SPM 50	B2 Lind 6 THREA HOURS	3X12 Pump 2 er SP 50 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 1 6 57 2 KELL TOTA WT o	LENGTH DF KELL BIT D.C.	5320 5320 Pump 4 Per SPM IN HOLE DRILLING ASY	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN SEPAIRS	O.D. ANDS GLES FR 5310	I.D. 4686 63.63 5436 1260 328.0	LENG 42 43 601.2	DRI	DEPTH CODE	DEVI PTH	ATION	I SURV	ZEYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	B LO Co HR HR HR DI US S FL DI US	Depth SIZE DCATION D. NO. RS TODAY RS ON WELL RS LAST CHG /ERAGE KVA ELIVERED TO IN Hand Sed Today Sed This Well Jule Brand ISTRIBUTOR SERIAL #	WEIGHT HRS 2 of fuel	GPM GPM 1927.0 615.00 -1927.0 LAST 4	PRESSI 1350 DE I.I.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	60700 mp 1 SPM 50	B2 Lind 6 THREA HOURS	3X12 Pump 2 er SP 50 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 1 6 57 2 KELL TOTA WT o	LENGTH DF KELL BIT D.C.	5320 5320 Pump 4 Per SPM IN HOLE DRILLING ASY	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN SEPAIRS	O.D. ANDS GLES FR 5310	I.D. 4686 63.63 5436 1260 328.0	LENG 42 43 601.2	DRI	DEPTH CODE	DEVI PTH	ATION	I SURV	ZEYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	B LO Co HR HR HR DI US S FL DI US	Depth SIZE DCATION D. NO. RS TODAY RS ON WELL RS LAST CHG /ERAGE KVA ELIVERED TO IN Hand Sed Today Sed This Well Jule Brand ISTRIBUTOR SERIAL #	WEIGHT HRS 2 of fuel	GPM GPM 1927.0 615.00 -1927.0 LAST 4	PRESSI 1350 DE I.I.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	60700 mp 1 SPM 50	B2 Lind 6 THREA HOURS	3X12 Pump 2 er SP 50 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 1 6 57 2 KELL TOTA WT o	LENGTH DF KELL BIT D.C.	5320 5320 Pump 4 Per SPM IN HOLE DRILLING ASY	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN SEPAIRS	O.D. ANDS GLES FR 5310	I.D. 4686 63.63 5436 1260 328.0	LENG 42 43 601.2	DRI	DEPTH CODE	DEVI PTH	ATION	I SURV	ZEYS AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	B LO Co HR HR HR DI US S FL DI US	Depth SIZE DCATION D. NO. RS TODAY RS ON WELL RS LAST CHG /ERAGE KVA ELIVERED TO IN Hand Sed Today Sed This Well Jule Brand ISTRIBUTOR SERIAL #	WEIGHT HRS 2 of fuel	GPM GPM 1927.0 615.00 -1927.0 LAST 4	PRESSI 1350 DE I.I.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	60700 mp 1 SPM 50	B2 Lind 6 THREA HOURS	3X12 Pump 2 er SP 50 AD FU	# JNTS # JNTS TOTAL OOTAGE	NO. 1 1 6 57 2 KELL TOTA WT o	LENGTH DF KELL BIT D.C.	5320 5320 Pump 4 Per SPM IN HOLE DRILLING ASY	Pump Pump SSEME	1 Q-Z9 2 Q-Z9 3 3 4 4 N RACK	9 9	9IN 9IN SEPAIRS	O.D. ANDS GLES FR 5310	I.D. 4686 63.63 5436 1260 328.0	LENG 42 43 601.2	DRI	DEPTH CODE	DEVI PTH	ATION	I SURV	ZEYS AZM

Р	10	NEEF	R OII	LFIEI	_D SE	RVICES	S. L	LC				MOI	RNI	NG R	EPOR	Т	DATE 2010	1102		RIG NO 1 5	. 305	TYPE	10	B NO.		WE	LL TYPE	
WE	ELLN	NAME // Verifi									LEGAL	DESCRIPT		110 1		\ !	2010	,	SPUD DA ⁻	TE / TIM			DA 40	YS FR SF	PUD	PR	OJECTED	TD
ОР	PERA	ATOR			EL MIDL	AND)					COUNT	TY / PARISH					STATE	Ξ,	JOB STAR 09-15- 1	RT DATE				YS ON JO	ОВ	ES	T. RELEA	SE
RIG	G M	ANAGER				ĺ		HONE NO			OPER/	ATORS REP		TATIVE	CO	MAN P			RELEASE				WE	ATHER	//39 de	a		
ОР	PERA	ATIONS @			th core						1								NEXT 24		/ corei	na	1 3 -		, , , , , , , , , , , , , , , , , , ,	<u> </u>		
	A	ACCIDENT One												# OF JSA	's RIG	SAFETY	DAYS		Y RATE		G.P.S.	COORDIN	NATES	s 8934			TE / PRES 00/250	
FETY	S	SAFETY M			wn core									# STOP C	ARDS LAS	T MEET	ING DATE	<u> </u>				O-MATIC					ATE / TIMI	
SAI		AST INSP				BY / TITLE			CREW	M/U		EXTRA C	REWS /	WHY?	0,-			OFF	ICE NOTII	FIED I		IRS PAS	T 24		BOP D	DRILL DA	ATE / TIMI	E
10		URRENT	DEPTH		TAGE LAS	Γ 24 PEN. I	RATE	RC	OT. HRS	М	AX. GAS	BCKGR	GAS	CONN. G	AS TRIP G		LAST CA	ASING SI	IZE & SET						RIG	G CO	STS	
OPS	HC 10	00KL0AE)		PICKUP W	0.0 EIGHT	s 10	LACKOF	F		ROTATING	<u> </u> 3	RC	TARY TOR	QUE			ASING S	IZE & SET		ı	+	DAILY	,	S	8 & R	R	RENTAL
	Tir	ime		t IN / O	UT Funr	el Vis PV			T 10 S			Fl. Loss	FILT C	К НТНР Г	L HTTP F			FUEL	ADDED T				AVER		0.00	<u> </u>	0.00	<u> </u>
MUD		lud Type	9.0		% SOLIDS	6 % LCM 9	% SAN	 D			pH	MF I	PF	CALCIUN		s	TODAY		MUD COST					JLATIVE	0.00		0.00	
Ĭ	CI	alt gel	GES		4		-	ER TYP		6	10.5			CREENS	13500		CHANGE	D	w	ATER S	69272.	0	CUMU	LATIVE	40.0		40.0	
	F	FROM	ТО	HRS	CODE		VAT	IONAL	_			DETAILS		210 ERATIONS	IN SEQUENCE		2625.0	00	H	IYD			DAYS	TIME BRE				y / Well)
				0.25 0.5	21 5	safety																		1: RIG U	P / DOV		` '	0.5
				3.0	6	circula T.O.O.			RE															2: DRILL 3: REAM	IING			30.25
				0.75 0.5	6	LAY D					ID BRF	EAK BIT												4: CORIN	. & CIR	RC	7.5 0.5	62.0 77.25
	12	200 1	500	3.0	4	PICK L	JP C	ORE I	BARR			AKE UP												6: TRIPS 7: LUBRI			7.5	155.75
			515 830	0.25 3.25	21 6	SAFET TRIP II				r cor	E BAR	REL											-	8: REPA 9: C/O D		NE		26.75 1.5
	18	830 2	2300	4.5 0.25	4	CORIN	IG F	ROM	5425 T															10: DEVI	ATION			10.75 70.5
907				7.75	21 4	SAFET CORIN			iU														 -	12: RUN	CSG &	CMNT		21.75
TIME LO																								13: WAIT	LE UP	ſ		31.75 7.75
É																							_	15: TEST	L STEM			
	L							_	_										_					17: PLUC 18: SQU	EEZE (2.25 1.5
	-																							19: FISH 20: DIR.				
																											0.75	24.0 21.0
	H																						-					5.25
																								OTHER Total H			16.25	6.75 888.5
	6	BIT#	SIZ 8 1/2		TYPE	HTC	MAKE	1	SE 60700	RIAL #	3X12	NOZZ	ZLES		IN @ 5320	OU	T @	DRIL	LED	HRS	0.00	UM. HRS	S		CON	DITION		ROP
יטַן	-		8 1/2	G)		HTC			60700		3X12				5320						0.00							
BIT	۴		· .,_		\44	ніс									3320						0.00							
B					\44	ніс									3320						0.00						000	
	Ė	Dej			GPM	PRESSUR	RE	Pui Liner	mp 1		Pump 2 er SP		ump 3		ump 4	Pump	1 Q-Z9		STROKE IN	Man				Fotal HRS	6 MAX	(PSI _{Ki}	SPR II Rate	(ILL (SPM)
	Ė	Dep													ump 4	Pump	1 Q-Z9 2 Q-Z9	9		_	0.00		0. 0.	.00 .00	S MAX	(PSI Ki	SPR II Rate K	(ILL (SPM)
PUMPS			pth		GPM	PRESSUR 838		Liner 6	50	Line 6	er SP 50	M Line	r SP	M Line	ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	91	IN IN	N/A	0.00	er HR	0. 0. 0.	.00 .00 .00			SPR II Rate	(ILL (SPM)
PUMPS		De _l	pth	WEIGHT	GPM	PRESSUR 838		Liner	50	l Line	er SP 50		r SP		ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3	91	IN	N/A	0.00	er HR	0. 0. 0.	.00 .00 .00			SPR II Rate	KILL (SPM)
STRG PUMPS			pth		GPM	PRESSUR 838		Liner 6	50	Line 6	er SP 50	M Line	r SP	M Line	ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	91	IN IN	N/A	0.00	er HR	0. 0. 0.	.00 .00 .00			SPR II Rate K	(ILL (SPM)
PUMPS			pth		GPM	PRESSUR 838		Liner 6	50	Line 6	er SP 50	M Line	r SP	M Line	ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	91	IN IN	N/A	0.00	er HR	0. 0. 0.	.00 .00 .00			SPR II Rate	(ILL (SPM)
DRLLSTRG PUMPS			pth		GPM	PRESSUR 838		Liner 6	50	Line 6	er SP 50	M Line	r SP	LENGTH	ump 4 er SPM IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	IN IN	N/A	0.00	er HR	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
DRLLSTRG PUMPS		SIZE OCATION TO. NO. IRS TODA	pth		GPM	PRESSUR 838		Liner 6	50	Line 6	er SP 50	M Line	NO.	LENGTH DF KELLY BIT	ump 4 er SPM IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	IN IN	N/A N/A	0.00 ufacture	LENGT 42 43	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	
STRG PUMPS	LCC	SIZE OCATION o. No.	pth Y		GPM	PRESSUR 838		Liner 6	50	Line 6	er SP 50	M Line	r SP	LENGTH DF	ump 4 er SPM IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	IN IN	N/A N/A	0.00 ufacture	LENGT	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
DRLLSTRG PUMPS	LCCC	OCATION To. No. IRS TODA' IRS ON WI	y ELL CHGE	WEIGHT	GPM	PRESSUR 838		Liner 6	50 50	THREA	SP SP SP SO STATE	# JNTS	NO.	LENGTH DF KELLY BIT	ump 4 er SPM IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	IN IN	N/A N/A	0.00 ufacture	LENGT 42 43	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	LC Cc HII HII HII A N	OCATION TO. NO. TRS TODA TRS ON WITH THE TREE TO THE T	y ELL CHGE KVA	WEIGHT	GPM	PRESSUF 838		Liner 6	50 50	Line 6	SP SP SP SO STATE	M Line	NO.	LENGTH DF KELLY BIT	ump 4 er SPM IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	IN IN	N/A N/A	0.00 ufacture	LENGT 42 43	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	LC Cc HII HII HII A N	OCATION TO. NO. TRS TODA TRS ON WITH SURSEY LAST VERAGE DELIVERE	y ELL CHGE KVA D TODA	WEIGHT	GRAI	PRESSUF 838 DE I.D.		TJ O.E	50 50 D.	THREA	SP SP SP SO STATE	# JNTS	NO.	LENGTH DF KELLY BIT	ump 4 er SPM IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	IN IN	N/A N/A	0.00 ufacture	LENGT 42 43	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
DRLLSTRG PUMPS	LC CC HII HI HI HI FI	OCATION OO. NO. RS TODA' RS ON WI RS LAST VERAGE DELIVERE ON Hand Jsed Toda	y ELL CHGE KVA D TODA	WEIGHT	GPM GRAI	PRESSUF 838 DE I.D.		TJ O.E	SPM 50	THREA	SP SP SP SO STATE	# JNTS	NO.	LENGTH DF KELLY BIT	ump 4 er SPM IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	IN IN	N/A N/A	0.00 ufacture	LENGT 42 43	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LC Co Hill Hill Hill Hill AN	SIZE OCATION TO. NO. TRS TODA TRS ON WITH TOTAL TREAT VERAGE DELIVERED TOTAL TOTA	y ELL CHGE KVA D TODA	WEIGHT	GPM GRAI 1394.0 533.00 -1394.0	PRESSUR 838 DE I.D.	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50	THRE/	FU	# JNTS	NO.	LENGTH DF KELLY BIT	ump 4 er SPM IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	IN IN	N/A N/A	0.00 ufacture	LENGT 42 43	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LC Co Hill Hill Hill Hill AN	OCATION TO. NO. TRS TODAY TRS ON WITH TOTAL TRS	y ELL CHGE KVA D TODA	WEIGHT	GPM GRAI 1394.0 533.00 -1394.0	PRESSUR 838 DE I.D.	BOILER	TODAY WELL BOILER BLOWD	SPM 50	THRE/	FU	# JNTS	NO.	LENGTH DF KELLY BIT	ump 4 er SPM IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	IN IN	N/A N/A	0.00 ufacture	LENGT 42 43	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	LC Co Hill Hill Hill Hill AN	OCATION TO. NO. TRS TODAY TRS ON WITH TOTAL TRS	y ELL CHGE KVA D TODA	WEIGHT HRS I	1394.0 533.00 -1394.1	PRESSUR 838 DE I.D.	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	HOURS	FU	# JNTS	NO.	LENGTH DF KELLY BIT	ump 4 er SPM IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	IN IN	N/A N/A	0.00 ufacture	LENGT 42 43	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC Co Hill Hill Hill AN U U Fire D	OCATION TO. NO. TRS TODAY TRS ON WITH TOTAL TRS	y ELL CHGE KVA D TODA	WEIGHT HRS I	GPM GRAI 1394.0 533.00 -1394.0	PRESSUR 838 DE I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	THRE/	FU	# JNTS	NO.	LENGTH DF KELLY BIT	ump 4 er SPM IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	IN IN	N/A N/A	0.00 ufacture	LENGT 42 43	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC Co Hill Hill Hill AN U U Fire D	OCATION TO. NO. TRS TODAY TRS ON WITH TOTAL TRS	y ELL CHGE KVA D TODA	WEIGHT HRS I	1394.0 533.00 -1394.1	PRESSUR 838 DE I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	HOURS	FU	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 6 6	LENGTH DF KELLY BIT	ump 4 er SPM IN HOLE	Pump Pump ON	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	PAIRS	O.D.	I.D.	LENGT 42 43 601.24	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC Cc Hi HI HI HI D O U U U F D	OCATION TO. NO. TRS TODAY TRS ON WITH TOTAL TRS	y ELL CHGE KVA D TODA	WEIGHT HRS I	1394.0 533.00 -1394.1	PRESSUR 838 DE I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	HOURS	FU	# JNTS # JNTS TOTAL COOTAGE	NO.	LENGTH DF KELLY BIT	ump 4 er SPM IN HOLE	Pump Pump SSEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	IN IN	O.D.	0.00 ufacture	LENGT 42 43 601.24	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ATION	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC Cc Hi HI HI HI D O U U U F D	OCATION TO. NO. TRS TODAY TRS ON WITH TOTAL TRS	y ELL CHGE KVA D TODA	WEIGHT HRS I	1394.0 533.00 -1394.1	PRESSUR 838 DE I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	HOURS	FU	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 6 57 2	LENGTH DF KELLY BIT D.C.	IN HOLE	Pump Pump SSEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	PAIRS	O.D.	I.D. 4686.6	LENGT 42 43 601.24	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ATION	SURVI	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC Cc Hi HI HI HI D O U U U F D	OCATION TO. NO. TRS TODAY TRS ON WITH TOTAL TRS	y ELL CHGE KVA D TODA	WEIGHT HRS I	1394.0 533.00 -1394.1	PRESSUR 838 DE I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	HOURS	FU	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 6 57 2 KELL TOTA WT 0	LENGTH DF KELL BIT D.C.	IN HOLE ORILL P	Pump Pump Pump SEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	PAIRS	O.D.	1.D. 4686.6 63.63	LENGT 42 43 601.24	0. 0. 0. DRIL	.00 .00 .00 .00 L STRING	DEVIA	ATION	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HII HII HII HII HII HII HII HII HII	OCATION TO. NO. TRS TODAY TRS ON WITH TOTAL TRS	y ELL CHGE KVA D TODA	WEIGHT	1394.0 533.00 -1394.1	PRESSUR 838 DE I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	HOURS	FU	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 6 57 2 KELL TOTA WT 0	LENGTH DF KELL BIT D.C.	IN HOLE ORILL P	Pump Pump Pump SEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	PAIRS	O.D.	I.D. 4686.6 63.63 5436.5 126000 328.0	LENGT 42 43 601.24	D D D D D D D D D D D D D D D D D D D	DEP	DEVIA	ATION INC	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HII HII HII HII HII HII HII HII HII	SIZE OCATION TO. NO. TRS TODAY TRS ON WITH SEAST VERAGE DELIVERED ON Hand Used Toda	y ELL CHGE KVA D TODA	WEIGHT	1394.0 533.00 -1394.1	PRESSUR 838 DE I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	HOURS	FU	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 6 57 2 KELL TOTA WT 0	LENGTH DF KELL BIT D.C.	IN HOLE ORILL P	Pump Pump Pump SEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	STANE SINGLE	O.D.	I.D. 4686.6 63.63 5436.5 126000 328.0	LENGT 42 43 601.24	D D D D D D D D D D D D D D D D D D D	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HII HII HII HII HII HII HII HII HII	SIZE OCATION TO. NO. TRS TODAY TRS ON WITH SEAST VERAGE DELIVERED ON Hand Used Toda	y ELL CHGE KVA D TODA	WEIGHT	1394.0 533.00 -1394.1	PRESSUR 838 DE I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	HOURS	FU	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 6 57 2 KELL TOTA WT 0	LENGTH DF KELL BIT D.C.	IN HOLE ORILL P	Pump Pump Pump SEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	STANE SINGLI	O.D. O.D. FROI	I.D. 4686.6 63.63 5436.5 126000 328.0	LENGT 42 43 601.24	D D D D D D D D D D D D D D D D D D D	DEP	DEVIA	ATION INC	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HII HII HII HII HII HII HII HII HII	SIZE OCATION TO. NO. TRS TODAY TRS ON WITH SEAST VERAGE DELIVERED ON Hand Used Toda	y ELL CHGE KVA D TODA	WEIGHT	1394.0 533.00 -1394.1	PRESSUR 838 DE I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	HOURS	FU	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 6 57 2 KELL TOTA WT 0	LENGTH DF KELL BIT D.C.	IN HOLE ORILL P	Pump Pump Pump SEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	STANE SINGLI	N/A N/A O.D.	I.D. 4686.6 63.63 5436.5 126000 328.0	LENGT 42 43 601.24	D D D D D D D D D D D D D D D D D D D	DEP	DEVIA TH D	ATION INC	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HII HII HII HII HII HII HII HII HII	SIZE OCATION TO. NO. TRS TODAY TRS ON WITH SEAST VERAGE DELIVERED ON Hand Used Toda	y ELL CHGE KVA D TODA	WEIGHT	1394.0 533.00 -1394.1	PRESSUR 838 DE I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	HOURS	FU	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 6 57 2 KELL TOTA WT 0	LENGTH DF KELL BIT D.C.	IN HOLE ORILL P	Pump Pump Pump SEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	STANE SINGLI	N/A N/A O.D.	I.D. 4686.6 63.63 5436.5 126000 328.0	LENGT 42 43 601.24	D D D D D D D D D D D D D D D D D D D	DEP	DEVIA TH D	ATION INC	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HII HII HII HII HII HII HII HII HII	SIZE OCATION TO. NO. TRS TODAY TRS ON WITH SEAST VERAGE DELIVERED ON Hand Used Toda	y ELL CHGE KVA D TODA	WEIGHT	1394.0 533.00 -1394.1	PRESSUR 838 DE I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	HOURS	FU	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 6 57 2 KELL TOTA WT 0	LENGTH DF KELL BIT D.C.	IN HOLE ORILL P	Pump Pump Pump SEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	STANE SINGLI	N/A N/A O.D.	I.D. 4686.6 63.63 5436.5 126000 328.0	LENGT 42 43 601.24	D D D D D D D D D D D D D D D D D D D	DEP	DEVIA TH D	ATION INC	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HII HII HII HII HII HII HII HII HII	SIZE OCATION TO. NO. TRS TODAY TRS ON WITH SEAST VERAGE DELIVERED ON Hand Used Toda	y ELL CHGE KVA D TODA	WEIGHT	1394.0 533.00 -1394.1	PRESSUR 838 DE I.D. 0 TOTAL HRS	BOILER	TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	HOURS	FU	# JNTS # JNTS TOTAL COOTAGE	NO. 1 1 6 57 2 KELL TOTA WT 0	LENGTH DF KELL BIT D.C.	IN HOLE ORILL P	Pump Pump Pump SEMB	1 Q-Z9 2 Q-Z9 3 4 NRACK	99 91	STANE SINGLI	N/A N/A O.D.	I.D. 4686.6 63.63 5436.5 126000 328.0	LENGT 42 43 601.24	D D D D D D D D D D D D D D D D D D D	DEP	DEVIA TH D	ATION INC	SURVI	EYS

Р	IONE	ER OI	LFIEI	D SEI	RVICES	i, Li	LC				МО	RN	ING	REP	ORT	DATE 201	0110	13	RIG N	o. Jo	B TYPE	JC	OB NO.		W	ELL TYPE	
WE	LLNAME									LEGAL	DESCRIP					1 20.		SPUD	DATE / TII 3-10 1			D/ 41	AYS FR S	PUD	PR	ROJECTE) TD
	ERATOR	RCHER	DANIE	EL MIDL	AND)					COUNT	TY / PARISI ON	Н				STAT IL	ΓE		TART DAT 5-10 1			D/ 49	AYS ON J	IOB	ES	ST. RELE	ASE
RIG	MANAG WOO	SER .			R		ONE NU				ATORS REF		NTATIVE		CO. MAN			+	SE DATE			W	EATHER LOUD		dg		
ОР	ERATION	IS @ REPO in hole	RT TIME															NS NEXT							<u></u>		
		ENTS OR I	NEAR MI	SSES:									# OF J		RIG SAFE	_		ETY RAT	E	G.P.S. N 39. 8	COORD 8796 W	INATE	s . 8934			TE / PRES	
SAFETY		Y MEETING	TOPICS	;										P CARDS	LAST MEI		TE				N-O-MATI					ATE / TIM	
SAI		NSPECTION	N IN	SPECTION	BY / TITLE			CREW	M / U		EXTRA	CREWS	S / WHY?		<u> </u>		0	FFICE NO			OURS PAS	ST 24		ВОР	DRILL D	ATE / TIM	E
		NT DEPTH		TAGE LAST		ATE	RO	Г. HRS	M	AX. GAS	вско	R GAS	CONN.	GAS TR	IP GAS			SIZE & S	SET DEPT					RI	G CO	STS	
OPS	5514 HOOKLO	OAD		PICKUP WE	0.0		ACKOFF	:		ROTATING	G C	1	ROTARY T	ORQUE		9 5/8 NEXT 0		SIZE & S	5320 SET DEPT	Ή		DAIL	v		S&R	ı	RENTAL
	109 Time		/t IN / O				YLD PT	10 S (GEL 10	09 M GEL	Fl. Loss	FILT	ск нтн	P FL H	TTP FC		FU	EL ADDE					RAGE	0.0	<u> </u>	0.0	<u> </u>
MUD	11 Mud Typ			% SOLIDS	14 % LCM %		6 D % OI			pH		1/32 PF	CALCI		RIDES	TODAY		MUD C					ULATIVE			0.0	
Ĭ	Salt ge			5			ER TYPE	95	, [,	10.	.43		SCREENS	1420	0	DAILY	ED		CUM. 1		.	CUMU	JLATIVE	41.0		41.	
	FROM	ТО	HRS	CODE	N	IAII	ONAL				DETAILS		210 PERATION	NS IN SEQU	ENCE	2625	.00		HYD			DAYS	TIME BR				y / Well)
	700 715	715 1000	0.25 2.75	21 6	safety i			+7 / 50) ft roc	· OVOro	۰d)											_	1: RIG U		WN		0.5 297.75
	1000	1300	3.0	4				•			barrells	s/ nev	w jars										3: REAI	MING		7.0 3.0	37.25 65.0
	1300 1500	1500 1515	2.0 0.25	6 21	trip in h			ore ba	arrell													 -	4: COR	D. & CI	RC		77.25
	1515	1600	0.75	6	TRIP in	n ho	le w/ 6			arrel to	5485											-	6: TRIP	RICATE		5.5	161.25
	1600 2300		0.25	21	SAFET	Ү МІ			JJ 14														8: REP/ 9: C/O [26.75 1.5
	2315 230	230 430	3.25 2.0	6 4	P.O.O.I		COR	E 29 F	TRFC	OVF	RED												10: DEV				10.75 70.5
907	430	700	2.5	6	TRIP IN																		12: RUN 13: WA		& CMNT		21.75 33.5
TIME																							14: NIP 15: TES		ВОР		31.75 7.75
F																							16: DRII				2.25
																							18: SQL	JEEZE			1.5
																							20: DIR		(0.75	24.75
																						_				0.70	21.0 5.25
																											5.25
																							OTHER	₹			6.75
	BIT#	SIZ	'E	TYPE	l w	IAKE		SEF	RIAL#		NOZ	ZLES		IN (ā (OUT @	DF	RILLED	l HRS	: I	CUM. HR		Total I		NDITION	16.25	904.75 R O P
(0	9	8 1/2		(44	нтс			60700		3X12				5320	-					0.0	0						
۱۲																				0.0	0						
BITS																				0.0	0						
		Depth		GPM	PRESSUR	E -	Pum	•		ump 2		oump 3		Pump 4			YPE	STROK		0.0 0.0 nufactu	0			S MA	X PSI K	SPR ill Rate	KILL (SPM)
		Depth		GPM			Liner	np 1 SPM 60	Line							p 1 Q-Z p 2 Q-Z	9	STROM 9IN 9IN	KE Ma	0.0 0.0 nufactu	0	0	0.00	S MA	X PSI K	SPR ill Rate	KILL (SPM)
PUMPS BITS		Depth		GPM	PRESSUR		Liner	SPM	Line	er SF				Pump 4		p 1 Q-Z p 2 Q-Z p 3	9	9IN	N/A	0.0 0.0 nufactu	0	0	0.00	S MA	X PSI K	SPR ill Rate	KILL (SPM)
PUMPS	SIZ			GPM	PRESSUR		Liner	SPM 60	Line	er SF 60		er S		Pump 4 iner SP	Pum Pum Pum	p 1 Q-Z p 2 Q-Z p 3	9	9IN	N/A	0.0 0.0 nufactu	0	0 0).00).00).00			SPR ill Rate	KILL (SPM)
STRG PUMPS			3	GPM 76	PRESSUR		Liner 6	SPM 60	Line 6	er SF 60	PM Line	er S	SPM L	Pump 4 iner SP	Pum Pum Pum	p 1 Q-Z p 2 Q-Z p 3 p 4	9	9IN 9IN	N/A	0.0 0.0 nufactu	0	0 0	0.00 0.00 0.00 0.00			SPR ill Rate	KILL (SPM)
PUMPS			3	GPM 76	PRESSUR		Liner 6	SPM 60	Line 6	er SF 60	PM Line	er S	SPM L	Pump 4 iner SP	Pum Pum Pum	p 1 Q-Z p 2 Q-Z p 3 p 4	9	9IN 9IN	N/A	0.0 0.0 nufactu	0	0 0	0.00 0.00 0.00 0.00			SPR ill Rate	KILL (SPM)
DRLLSTRG PUMPS	SIZ	ZE I	3	GPM 76	PRESSUR		Liner 6	SPM 60	Line 6	er SF 60	PM Line	er S	LENGTH	Pump 4 iner SP	Pum Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 nufactu	0	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	SURV	EYS
DRLLSTRG PUMPS	LOCATI Co. No. HRS TO	ZE ION	3	GPM 76	PRESSUR		Liner 6	SPM 60	Line 6	er SF 60	PM Line	er S	LENGTH	Pump 4 iner SP	Pum Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4	9 9	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 nufactu	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRIN	G REM	ARKS	SURV	
STRG PUMPS	LOCATI Co. No. HRS TO	ZE ION	3	GPM 76	PRESSUR		Liner 6	SPM 60	Line 6	er SF 60	PM Line	er S	LENGTH	Pump 4 iner SP	Pum Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4	9 9	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 nufactu	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	SURV	EYS
DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS AVERA	ION DDAY N WELL AST CHGE	WEIGHT	GPM 76	PRESSUR		Liner 6	SPM 60	THREA	AD	# JNTS	er S	LENGTH	Pump 4 iner SP	Pum Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4	9 9	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 nufactu	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	SURV	EYS
ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS AVERA DELIVE On Han	ION DDAY N WELL AST CHGE GE KVA ERED TODA	WEIGHT	GPM 76 GRAD 2419.00	PRESSUR 1146 E I.D.		TJ O.D.	SPM 60	Line 6	AD	PM Line	er S	LENGTH	Pump 4 iner SP	Pum Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4	9 9	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 nufactu	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	SURV	EYS
ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T	ION DDAY N WELL AST CHGE GE KVA ERED TODA dd Today This Well	WEIGHT	GPM 76 GRAD	PRESSUR 1146 E I.D.		TJ O.D.	SPM 60	THREA	AD	# JNTS	er S	LENGTH	Pump 4 iner SP	Pum Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4	9 9	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 nufactu	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	SURV	EYS
DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS LA AVERA DELIVE On Han Used T	ION DDAY N WELL AST CHGE GE KVA ERED TODA nd Today This Well rand	WEIGHT	GPM 76 GRAD 2419.00 -1025.0	PRESSUR 1146 E I.D.	BOILER	TJ O.D. TODAY WELL	SPM 60	THREA	AD	# JNTS	er S	LENGTH	Pump 4 iner SP	Pum Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4	9 9	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 nufactu	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Used T Fuel Br DISTRIE	ION DDAY N WELL AST CHGE GE KVA ERED TODA nd Today This Well rand	WEIGHT	GPM 76 GRAD 2419.00 -1025.0 -2419.0	PRESSUR 1146 E I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO	SPM 60	THREA	FL	# JNTS	er S	LENGTH	Pump 4 iner SP	Pum Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4	9 9	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 nufactu	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Used T Fuel Br DISTRIE	JON DDAY N WELL AST CHGE AGE KVA FRED TODA Today This Well rand BUTOR	WEIGHT	GPM 76 GRAD 2419.00 -1025.0 -2419.0	PRESSUR 1146 E I.D. O O TOTAL	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM 60	THREA	FL	# JNTS	er S	LENGTH	Pump 4 iner SP	Pum Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4	9 9	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 nufactu	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	SURV	EYS
ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Used T Fuel Br DISTRIE	JON DDAY N WELL AST CHGE AGE KVA FRED TODA Today This Well rand BUTOR	WEIGHT AY HRS I	GPM 76 GRAD 2419.00 -1025.0 -2419.0	PRESSUR 1146 E I.D. O O O TOTAL HRS	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM 60	THREA	FL	# JNTS	NC	LENGTH	Pump 4 iner SP	Pum Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4 ON RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 nufactu	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Used T Fuel Br DISTRIE	JON DDAY N WELL AST CHGE AGE KVA FRED TODA Today This Well rand BUTOR	WEIGHT AY HRS I	GPM 76 GRAD 2419.00 -1025.0 -2419.0	PRESSUR 1146 E I.D. O O O TOTAL HRS	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM 60	THREA HOURS	FL FL	# JNTS	NC	LENGTH	Pump 4 iner SP	Pum Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4 ON RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 nufactu	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	G REM	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Used T Fuel Br DISTRIE	JON DDAY N WELL AST CHGE AGE KVA FRED TODA Today This Well rand BUTOR	WEIGHT AY HRS I	GPM 76 GRAD 2419.00 -1025.0 -2419.0	PRESSUR 1146 E I.D. O O O TOTAL HRS	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM 60	THREA HOURS	FL FL	# JNTS	NC	LENGTH	Pump 4 iner SP	Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4 ON RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.0 0.0 nufactu	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	DEVIAPTH	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Used T Fuel Br DISTRIE	JON DDAY N WELL AST CHGE AGE KVA FRED TODA Today This Well rand BUTOR	WEIGHT AY HRS I	GPM 76 GRAD 2419.00 -1025.0 -2419.0	PRESSUR 1146 E I.D. O O O TOTAL HRS	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM 60	THREA HOURS	FL FL	# JNTS	NC	LENGTH	Pump 4 iner SP DRILLING	Pum Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4 ON RACK	9 9	9IN 9IN REPAIRS	O.D.	0.0 0.0 nufactu	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	DEVIAPTH	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Used T Fuel Br DISTRIE	JON DDAY N WELL AST CHGE AGE KVA FRED TODA Today This Well rand BUTOR	WEIGHT AY HRS I	GPM 76 GRAD 2419.00 -1025.0 -2419.0	PRESSUR 1146 E I.D. O O O TOTAL HRS	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM 60	THREA HOURS	FL FL	# JNTS	NC NC KE TO	LENGTH LENGTH LIV DOWN TAL	Pump 4 iner SP DRILLING	Pum Pum Pum Pum Pum Pum OLE	p 1 Q-Z p 2 Q-Z p 3 p 4 ON RACK	9 9	9IN 9IN REPAIRS	O.D.	0.0 0.0 nufactu	0 0 Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRIN	DEVIAPTH	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Fuel Br DISTRIE	ION DDAY N WELL AST CHGE GE KVA CODAY TODAY TODA	WEIGHT HRS I	GPM 76 GRAD 2419.0 -1025.0 -2419.0	PRESSUR 1146 E I.D. O O O TOTAL HRS	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM 60	THREA HOURS	FL FL	# JNTS	NC NC KEI TO WT	LENGTH LENGTH LILY DOWN TAL Tof COLLA	Pump 4 iner SP DRILLING DRILLING	Pum Pum OLE CASSEN C	p 1 Q-Z p 2 Q-Z p 3 p 4 ON RACK	9 9	9IN 9IN REPAIRS	O.D.	0.0 0.0 nufactu	LENG	DRIL	DEF	DEVI/	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Fuel Br DISTRIE	JON DDAY N WELL AST CHGE AGE KVA FRED TODA Today This Well rand BUTOR	WEIGHT HRS I	GPM 76 GRAD 2419.0 -1025.0 -2419.0	PRESSUR 1146 E I.D. O O O TOTAL HRS	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM 60	THREA HOURS	FL FL	# JNTS	NC NC KEI TO WT	LENGTH LENGTH LILY DOWN TAL Tof COLLA	Pump 4 iner SP IN H DRILLING DRILLING DRILLING	Pum Pum OLE CASSEN C	p 1 Q-Z p 2 Q-Z p 3 p 4 ON RACK	9 9	9IN 9IN REPAIRS	O.D. ANDS GLES	I.D.	LENG	DD	DEFTH	DEVI/PTH	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Fuel Br DISTRIE	ION DDAY N WELL AST CHGE GE KVA CODAY TODAY TODA	WEIGHT HRS I	GPM 76 GRAD 2419.0 -1025.0 -2419.0	PRESSUR 1146 E I.D. O O O TOTAL HRS	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM 60	THREA HOURS	FL FL	# JNTS	NC NC KEI TO WT	LENGTH LENGTH LILY DOWN TAL Tof COLLA	Pump 4 iner SP IN H DRILLING DRILLING DRILLING	Pum Pum OLE CASSEN C	p 1 Q-Z p 2 Q-Z p 3 p 4 ON RACK	9 9	9IN 9IN REPAIRS	O.D. O.D. ANDS GLES	I.D.	LENG	DD	DEFTH	DEVIA PTH	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Fuel Br DISTRIE	ION DDAY N WELL AST CHGE GE KVA CODAY TODAY TODA	WEIGHT HRS I	GPM 76 GRAD 2419.0 -1025.0 -2419.0	PRESSUR 1146 E I.D. O O O TOTAL HRS	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM 60	THREA HOURS	FL FL	# JNTS	NC NC KEI TO WT	LENGTH LENGTH LILY DOWN TAL Tof COLLA	Pump 4 iner SP IN H DRILLING DRILLING DRILLING	Pum Pum OLE CASSEN C	p 1 Q-Z p 2 Q-Z p 3 p 4 ON RACK	9 9	9IN 9IN REPAIRS	O.D. ANDS GLES	I.D.	LENG	DD	DEFTH	DEVI/PTH	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Fuel Br DISTRIE	ION DDAY N WELL AST CHGE GE KVA CODAY TODAY TODA	WEIGHT HRS I	GPM 76 GRAD 2419.0 -1025.0 -2419.0	PRESSUR 1146 E I.D. O O O TOTAL HRS	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM 60	THREA HOURS	FL FL	# JNTS	NC NC KEI TO WT	LENGTH LENGTH LILY DOWN TAL Tof COLLA	Pump 4 iner SP IN H DRILLING DRILLING DRILLING	Pum Pum OLE CASSEN C	p 1 Q-Z p 2 Q-Z p 3 p 4 ON RACK	9 9	9IN 9IN REPAIRS	O.D. ANDS GLES	I.D.	LENG	DD	DEFTH	DEVI/PTH	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Fuel Br DISTRIE	ION DDAY N WELL AST CHGE GE KVA CODAY TODAY TODA	WEIGHT HRS I	GPM 76 GRAD 2419.0 -1025.0 -2419.0	PRESSUR 1146 E I.D. O O O TOTAL HRS	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM 60	THREA HOURS	FL FL	# JNTS	NC NC KEI TO WT	LENGTH LENGTH LILY DOWN TAL Tof COLLA	Pump 4 iner SP IN H DRILLING DRILLING DRILLING	Pum Pum OLE CASSEN C	p 1 Q-Z p 2 Q-Z p 3 p 4 ON RACK	9 9	9IN 9IN REPAIRS	O.D. ANDS GLES	I.D.	LENG	DD	DEFTH	DEVI/PTH	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATI Co. No. HRS TO HRS ON HRS LA AVERA DELIVE On Han Used T Fuel Br DISTRIE	ION DDAY N WELL AST CHGE GE KVA CODAY TODAY TODA	WEIGHT HRS I	GPM 76 GRAD 2419.0 -1025.0 -2419.0	PRESSUR 1146 E I.D. O O O TOTAL HRS	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM 60	THREA HOURS	FL FL	# JNTS	NC NC KEI TO WT	LENGTH LENGTH LILY DOWN TAL Tof COLLA	Pump 4 iner SP IN H DRILLING DRILLING DRILLING	Pum Pum OLE CASSEN C	p 1 Q-Z p 2 Q-Z p 3 p 4 ON RACK	9 9	9IN 9IN REPAIRS	O.D. ANDS GLES	I.D.	LENG	DD	DEFTH	DEVI/PTH	ATION	SURV	EYS

Р	ION	NEER	OIL	.FIEL	D SEF	RVICES	3, L	LC				MO	RNI	NG R	EPOF	RT.	DATE 201 (4	RIG N		В ТҮРЕ	30	B NO.		WI	ELL TYPE	
WE	LLNA	AME		n Well:			<u>*</u>				LEGAL	DESCRIPT					12010		SPUD [DATE / TII B-10 1			DA 42	AYS FR SF	PUD	PR	OJECTED) TD
	ERATO		HER [DANIE	L MIDL	AND)					COUNT	TY / PARISH	ı				STATE	E		ART DAT			DA 50	AYS ON JO	ОВ	ES	ST. RELEA	ASE
RIG	MAN	NAGER OOD				F		HONE NU				ATORS REP		TATIVE	СО	. MAN F	PH NO.		RELEA	SE DATE	/TIME			EATHER LOUDY	/42 d	g / bre	ezy	
ОР		TIONS @	REPO	RT TIME							1								NS NEXT		eina					9	,	
		CIDENT	S OR N	IEAR MIS	SES:									# OF JS#	r's RIG	SAFET	Y DAYS		ETY RATI		G.P.S.	COORD 8796 W	INATE	s 8934	вор ⁻ 1 0/2 9	TEST DA	TE / PRES	SSURE PSIG
FETY	SAF	FETY ME		TOPICS	nn / mix	gel & cl	nem							# STOP C	ARDS LAS	T MEET	ING DATI	E				I-O-MATI					ATE / TIM	
SAI		ST INSPE				BY / TITLE	10111		CREW	M / U		EXTRA (REWS /	WHY?	0/2	., ., .		OI	FFICE NO	TIFIED		URS PAS	ST 24		ВОР	DRILL D	ATE / TIM	E
		RRENT D	DEPTH		AGE LAST		RATE		T. HRS	M	AX. GAS	BCKGI	R GAS	CONN. G	AS TRIP G	AS		ASING	SIZE & S						RIC	G CO	STS	
OPS		KLOAD	1		ICKUP WE	7.0		ACKOFI			ROTATING	 G	RO	TARY TOR	QUE		9 5/8 NEXT C	ASING	SIZE & S	5320 ET DEPT	Ή		DAIL	,	5	S&R	F	RENTAL
	135 Time	е		IN / OU				YLD PT	Γ 10 S	GEL 10				K HTHP I	L HTTP I	FC		FUI	EL ADDEI				AVER		0.00	`	0.00	
9		l Type	9.0		42 % SOLIDS	15 % LCM %		5 D % O	3 L %	H2O	pH !	MF	1/32 PF	CALCIUN	I CHLORIDI	ES	TODAY		MUD CC					JLATIVE	0.00			
MUD		t gel NTRIFUG	ES	į	5		-	ER TYPE		5	10.	.23 -		CREENS	14000		DAILY 2	ED	.00	CUM. 1			CUMU	JLATIVE	-		0.00	
	FRC	OM	ТО	HRS	CODE	<u> </u>	IATI	ONAL				DETAILS		210 ERATIONS	IN SEQUENC	E	2625.	.00		HYD			DAYS	TIME BRI	42.0		42.0 (Toda	y / Well)
	700			0.25	21	safety			h 044 0	/i-	ale una e													1: RIG U	P / DO\	WN	7.0	0.5 304.75
	715 745	5 1	415	0.5 6.5	4	core fro					л up C	drop ball	/ pick	v ab bak	joint								<u></u> -	2: DRILL 3: REAM	IING		0.75	38.0
	141 150			0.75 0.25	6 21	t.o.o.h			#9														 -	4: CORIN	. & CIF	RC	10.0	75.0 77.25
	151	15 1	830	3.25	6	tohw	core	e barre		40 "	•	٠, ١												6: TRIPS 7: LUBR		1	5.5	166.75
	183 213	30 2		1.5	6	lay cor			•		ecovei	ea)												8: REPA 9: C/O D				26.75 1.5
	230 231			0.25 0.75	21 3	SAFET REAM				TO RO	AOTTC	<u></u>											-	10: DEVI		ľ		10.75 70.5
907	000		700		2	DRILL				(12: RUN 13: WAI				21.75 33.5
TIME																							_	14: NIPP		ВОР		31.75 7.75
F																								16: DRIL 17: PLU	L STEM			2.25
																							_	18: SQU 19: FISH	EEZE			1.5
																							_	20: DIR.			0.75	25.5
																							\dashv				0.10	21.0 5.25
																												5.25
																								OTHER				6.75
	ВІ	BIT#	SIZE	<u> </u>	TYPE	N	IAKE		SE	RIAL#		NOZ	ZLES		IN @	OL	JT @	DF	RILLED	HRS	;	CUM. HR		Total H		IDITION	24.0	928.75 R O P
ည																					0.0							
																					U.U							
BITS																					0.0	0						
		Dep	oth		GPM	PRESSUR	E		mp 1		Pump 2		ump 3		ump 4			PE	STROK		0.00 0.00 nufactu	0			S MAX	K PSI K	SPR ill Rate	KILL (SPM)
		3 - 556				PRESSUR		Liner 6	np 1 SPM 92	Line					1 1	Pump	1 Q-Z9 2 Q-Z9	9	STROK 9IN 9IN	E Mar	0.00 0.00 nufactu	0	0	.00	6 MAX	K PSI K	SPR ill Rate	KILL (SPM)
PUMPS BIT	5513 5563	3 - 556						Liner	SPM	Line							1 Q-Z9 2 Q-Z9 3	9	9IN	N/A	0.00 0.00 nufactu	0	0 0 0	0.00 0.00 0.00			SPR ill Rate	KILL (SPM)
PUMPS	5563	3 - 556	53	VEIGHT		750 1370		Liner 6 6	92 50	Line 6 6	er SP		r SP			Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN	N/A	0.00 0.00 nufactu	0	0 0 0	.00 .00 .00			SPR ill Rate	KILL (SPM)
STRG PUMPS	5563	3 - 556 3 -	53	WEIGHT		750 1370		Liner 6 6	92 50	6 6 6	er SP	M Line	r SP	M Line	er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN 9IN	N/A	0.00 0.00 nufactu	0	0 0 0	0.00 0.00 0.00			SPR ill Rate	KILL (SPM)
	5563	3 - 556 3 -	53	WEIGHT		750 1370		Liner 6 6	92 50	6 6 6	er SP	M Line	r SP	M Line	er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN 9IN	N/A	0.00 0.00 nufactu	0	0 0 0	0.00 0.00 0.00			SPR ill Rate	KILL (SPM)
DRLLSTRG PUMPS	5563	3 - 556 3 - SIZE	53	WEIGHT		750 1370		Liner 6 6	92 50	6 6 6	er SP	M Line	r SP	LENGTH	er SPM	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN	N/A	0.00 0.00 nufactu	0	0 0 0 0 DRIL	.00 .00 .00 .00 .STRING	PEVIA	ARKS	SURV	EYS
DRLLSTRG PUMPS	LOCA Co. N	SIZE CATION No. S TODAY	03 V	WEIGHT		750 1370		Liner 6 6	92 50	6 6 6	er SP	M Line	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	.00 .00 .00 .00 .00 .L STRING	PEVIA	ARKS	SURV	
STRG PUMPS	LOCA Co. N HRS	13 - 556 63 - SIZE CATION No.	S3	WEIGHT		750 1370		Liner 6 6	92 50	6 6 6	er SP	M Line	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	.00 .00 .00 .00 .STRING	PEVIA	ARKS	SURV	EYS
DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVE	SIZE CATION No. S TODAY S ON WE	S3			750 1370		Liner 6 6	50 0.	1 Line 6 6 6 THRE	50 AD	# JNTS	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	.00 .00 .00 .00 .STRING	PEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI	SIZE CATION No. S TODAY S ON WE S LAST (ERAGE I LIVERED Hand	ELL CHGE KVA		1845.00	750 1370 E I.D.		Liner 6 6 TJ O.D	50 0.	6 6 6	50 AD	M Line	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	.00 .00 .00 .00 .STRING	PEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI DEL On H Used	CATION No. S TODAY S LAST (ERAGE I LIVERED Hand ed Today	ELL CHGE KVA O TODA		GRAD	750 1370 E I.D.		Liner 6 6 7 TJ O.D TODAY WELL BOILER	50 0.	1 Line 6 6 6 THRE	50 AD	# JNTS	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	.00 .00 .00 .00 .STRING	PEVIA	ARKS	SURV	EYS
DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI On H Used Used Fuel	CATION No. S TODAY S ON WE S LAST (ERAGE I LIVERED Hand	ELL CHGE KVA O TODA		1845.00 574.00	750 1370 E I.D.	BOILER	Liner 6 6 TJ O.D TODAY WELL	50 50 50 0.	1 Line 6 6 6 THRE	50 AD	# JNTS	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	.00 .00 .00 .00 .STRING	PEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI On H Used Used Fuel DIST	CATION No. S TODAY S ON WE S LAST (ERAGE I LIVERED Hand ed Today ed This V el Brand	ELL CHGE KVA D TODA		1845.00 574.00 -1845.0	750 1370 E I.D.	BOILER	Liner 6 6 7 TJ O.D TODAY WELL BOILER BLOWD	SPM 92	1 Line 6 6 6 THRE	50 AD FU	# JNTS	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	.00 .00 .00 .00 .STRING	PEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI On H Used Used Fuel DIST	CATION No. S TODAY S ON WE S LAST (ERAGE I Hand ed Today ed This V el Brand	ELL CHGE KVA D TODA	Y HRS L	1845.00 574.00 -1845.0	750 1370 E I.D.	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	SPM 92	HOURS	50 AD FU	# JNTS	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	.00 .00 .00 .00 .STRING	PEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI On H Used Used Fuel DIST	CATION No. S TODAY S ON WE S LAST (ERAGE I Hand ed Today ed This V el Brand	ELL CHGE KVA D TODA	Y HRS L	1845.00 574.00 -1845.0	750 1370 E	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	50 0.	HOURS	50 AD FU	# JNTS	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	.00 .00 .00 .00 .STRING	PEVIA	ARKS	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI On H Used Used Fuel DIST	CATION No. S TODAY S ON WE S LAST (ERAGE I Hand ed Today ed This V el Brand	ELL CHGE KVA D TODA	Y HRS L	1845.00 574.00 -1845.0	750 1370 E	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	50 0.	HOURS	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN	N/A N/A	0.00 0.00 nufactu	O O rer Hi	0 0 0 0 DRIL	.00 .00 .00 .00 .STRING	PEVIA	ARKS	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI On H Used Used Fuel DIST	CATION No. S TODAY S ON WE S LAST (ERAGE I Hand ed Today ed This V el Brand	ELL CHGE KVA D TODA	Y HRS L	1845.00 574.00 -1845.0	750 1370 E	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	50 0.	HOURS	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	r SP	LENGTH	IN HOLE	Pump Pump Pump SSEME	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN	N/A N/A	0.00 nufactu	LENG	0 0 0 0 DRIL	.00 .00 .00 .00 .STRING	DEVIA TH	ARKS	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI On H Used Used Fuel DIST	CATION No. S TODAY S ON WE S LAST (ERAGE I Hand ed Today ed This V el Brand	ELL CHGE KVA D TODA	Y HRS L	1845.00 574.00 -1845.0	750 1370 E	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	50 0.	HOURS	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH	IN HOLE	Pump Pump Pump SSEME	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN EPAIRS	N/A N/A	I.D.	LENG	0 0 0 0 DRIL	.00 .00 .00 .00 .STRING	DEVIA TH	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI On H Used Used Fuel DIST	CATION No. S TODAY S ON WE S LAST (ERAGE I Hand ed Today ed This V el Brand	ELL CHGE KVA D TODA	Y HRS L	1845.00 574.00 -1845.0	750 1370 E	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	50 0.	HOURS	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO. NO. Control Co	LENGTH DF	IN HOLE	Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN EPAIRS	N/A N/A	0.00 nufactu	LENG	0 0 0 0 DRIL	.00 .00 .00 .00 .STRING	DEVIA TH	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATOR HRS HRS AVEI Used Used Fuel DIST	SIZE CATION No. S TODAY S ON WE S LAST (ERAGE I LIVERED Hand ed Today ed This V el Brand STRIBUTO SERIAL	ELL CHGE KVA D TODA Well DR	HRS L	1845.00 574.00 -1845.0	750 1370 E	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	50 0.	HOURS	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH LENGTH A LONG DF DF DF DF DF DF DF DF DF D	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN EPAIRS	N/A N/A	0.00 0.00 nufactu A A 1.D. 5653. 63.62	LENG 80	DRIL	DEP	DEVIA TH	ATION	SURV	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATOR HRS HRS AVEI Used Fuel DIST	SIZE CATION No. S TODAY S ON WE S LAST (ERAGE I LIVERED Hand ed Today ed This V el Brand STRIBUTO SERIAL	GS3 V CELL CHGE KVA D TODA Well OR #	HRS L 24	1845.00 574.00 -1845.0	750 1370 E	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	50 0.	HOURS	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH LENGTH A LONG DF DF DF DF DF DF DF DF DF D	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN EPAIRS	N/A N/A N/A O.D.	0.00 0.00 nufactu A A 5 1.D. 5653. 63.62 5717.	D Ter Hi	D D	DEP	DEVIA	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI DEL On H Used Fuel DIST	SIZE CATION No. S TODAY S ON WE S LAST (ERAGE I LIVERED Hand STRIBUTO SERIAL	GS3 VELL CHGE KVA D TODA Well OR #	HRS L 24	1845.00 574.00 -1845.0	750 1370 E	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	50 0.	HOURS	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH LENGTH A LONG DF DF DF DF DF DF DF DF DF D	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN EPAIRS	N/A N/A N/A O.D.	0.00 0.00 nufactu A A 5 1.D. 5653. 63.62 5717.	LENG 80 42	DD DRILL	DEP	DEVIA	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI DEL On H Used Fuel DIST	SIZE CATION No. S TODAY S ON WE S LAST (ERAGE I LIVERED Hand STRIBUTO SERIAL	GS3 VELL CHGE KVA D TODA Well OR #	HRS L 24	1845.00 574.00 -1845.0	750 1370 E	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	50 0.	HOURS	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH LENGTH A LONG DF DF DF DF DF DF DF DF DF D	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN EPAIRS	N/A	0.00 0.00 nufactu A A 5 1.D. 5653. 63.62 5717.	D Ter Hi	D D	DEP	DEVIA TH DRIL R 50	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI DEL On H Used Fuel DIST	SIZE CATION No. S TODAY S ON WE S LAST (ERAGE I LIVERED Hand STRIBUTO SERIAL	GS3 VELL CHGE KVA D TODA Well OR #	HRS L 24	1845.00 574.00 -1845.0	750 1370 E	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	50 0.	HOURS	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH LENGTH A LONG DF DF DF DF DF DF DF DF DF D	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN EPAIRS	N/A	0.00 0.00 nufactu A A 5 1.D. 5653. 63.62 5717.	D Ter Hi	D D	DEP	DEVIA TH DRIL R 50	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI DEL On H Used Fuel DIST	SIZE CATION No. S TODAY S ON WE S LAST (ERAGE I LIVERED Hand STRIBUTO SERIAL	GS3 VELL CHGE KVA D TODA Well OR #	HRS L 24	1845.00 574.00 -1845.0	750 1370 E	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	50 0.	HOURS	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH LENGTH A LONG DF DF DF DF DF DF DF DF DF D	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN EPAIRS	N/A	0.00 0.00 nufactu A A 5 1.D. 5653. 63.62 5717.	D Ter Hi	D D	DEP	DEVIA TH DRIL R 50	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCA Co. N HRS HRS AVEI DEL On H Used Fuel DIST	SIZE CATION No. S TODAY S ON WE S LAST (ERAGE I LIVERED Hand STRIBUTO SERIAL	GS3 VELL CHGE KVA D TODA Well OR #	HRS L 24	1845.00 574.00 -1845.0	750 1370 E	BOILER	TODAY WELL BOILER BLOWD VOLUM CUM.	50 0.	HOURS	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH LENGTH A LONG DF DF DF DF DF DF DF DF DF D	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN EPAIRS	N/A	0.00 0.00 nufactu A A 5 1.D. 5653. 63.62 5717.	D Ter Hi	D D	DEP	DEVIA TH DRIL R 50	ATION	SURV	EYS

Р	ION	NEER O	ILFIEI	LD SEF	RVICES	S. LI	LC				MOI	RNI	NG R	EPOF	?T	DATE 2010	1105		RIG NO	. Jos	TYPE	JOE	B NO.		WE	LL TYPE	
WE	LLNA									LEGAL	DESCRIPT		110 1		<u> </u>	2010		SPUD DA 09-23-	TE / TIM			DAY	YS FR SP	UD	PR	OJECTED) TD
ОР	ERAT				AND)					соинт	Y / PARISH	l				STATE	E	JOB STAF	RT DATE			+	YS ON JO	В	ES	T. RELEA	ASE
RIG	MAN	NAGER OOD			F		ONE NU			OPERA	TORS REP		TATIVE	СО	. MAN P			RELEASE				WE	ATHER OUDY/	/42 do	a / bre	ezv	
ОР	ERAT	TIONS @ REP						<i>-</i> -		• • •								S NEXT 24		ina		1 52		uţ	<u>, . ∼ . G</u>	- <i>-</i> -1	
	ACC	CIDENTS OF											# OF JS#	's RIG	SAFET	Y DAYS	_	TY RATE		G.P.S.	COORDIN	NATES	3934			TE / PRES	
FETY	SAF	FETY MEETING /											# STOP C	ARDS LAS	T MEET	ING DATE					O-MATIC					ATE / TIM	
SAF		ST INSPECTION		SPECTION	BY / TITLE			CREW	M / U		EXTRA C	REWS	WHY?	SIZ	7/1/		OFF	FICE NOTI	IFIED I		IRS PAST	T 24		BOP D	RILL DA	ATE / TIM	E
		RRENT DEPT		TAGE LAST				T. HRS	M	AX. GAS	BCKGF	R GAS	CONN. G	AS TRIP G	AS			SIZE & SET	T DEPTH					RIG	COS	STS	
OPS		OKLOAD		PICKUP WE	23.30 IGHT	SL	15.			ROTATING	<u> </u>	R	TARY TOF	QUE		13 3/8 NEXT CA		SIZE & SE	3 50 T DEPTH	1		5411.77		S	& R	F	RENTAL
	135	e Mud	Wt IN / O					10 S C		35 M GEL F	I. Loss	FILT C	K HTHP	L HTTP	-C		FUEL	_ ADDED 1	TO MUD			DAILY		0.00		0.0	
Ω	7 Mud	9.1 d Type		63 % SOLIDS	17 % LCM %	L L	16 D % OI	12 L % I	21 H2O	pH	MF I	1/32 PF	CALCIUN	I CHLORID	≣S	TODAY		MUD COS	им. 0. тѕ	00		AVERA		0.00		0.0	
MUD		t gel		6		SHAKI	 ER TYPE	94	. [10.5	1.22	62 so	CREENS	11200		DAILY 1			UM. 17 VATER S	73159.6 OURCE	00		LATIVE _ATIVE	0.00		0.0	
	FRO	ROM TO	HRS	CODE	1	IATI	ONAL				DETAILS	_	210	IN SEQUENC	F	2625.0	00	F	IYD			DAYS	IME BRE	43.0		43.0	y / Well)
	700	0 715	0.25	21	SAFET							OF OF	ERATIONS	IN SEQUENC									1: RIG UF	P / DOW	/N	-	0.5
	715 150			21	DRILL SAFET				5690	TO580	5												2: DRILLI 3: REAMI			15.75	320.5 38.0
	151	15 2300	7.75	2	DRILL	FRO	M 580	5 TO	5913													-	4: CORIN 5: COND.			.5 1.5	75.0 78.75
	230 231		_	21	SAFET DRILL				0														6: TRIPS 7: LUBRI			4.75	168.25
	233 010			6 5	CIRC F						STANDS	3										_	8: REPAI	R RIG			26.75 1.5
	023	30 0315	0.75	10	DEVIA	ΓΙΟΝ	SUR	VEY 3		a i E												\Box	9: C/O DF 10: DEVI/	ATION		0.75	11.5 11.5 70.5
9	031 063		3.25 .5	6 4	P.O.O.I				ELL A	ND MA	KE UP	BIT											11: WIRE 12: RUN	CSG &	CMNT		21.75
E LOG																							13: WAIT 14: NIPPI		ſ		33.5 31.75
TIME																						1	15: TEST 16: DRILL		TEST		7.75
																							17: PLUG 18: SQUE		MNT		2.25 1.5
																							19: FISHI 20: DIR. V	NG			
																										0.75	26.25 21.0
																											5.25
																						_	OTHER Total He	ours		24	6.75 949.0
	В 9	BIT# SI	ZE	TYPE	HTC	IAKE		SEF	RIAL#	3x12	NOZZ	ZLES		IN @ 5320	OL	JT @	DRIL	LLED	HRS	C	UM. HRS				DITION		ROP
လ	ا ع				піс			60700																			
BITS	9	8 1/2	2 G2	(44	HTC			007000	02	3x12				5320													
BITS	9	8 1/2	2 G)	(44	HTC			007000	02	3x12				5320						0.00							
BIT	9	Depth	2 G)	GPM	PRESSUR	E	Pum	np 1		Pump 2		ump 3		ump 4	Pump	1 Q-Z9		STROKE	Man N/A					MAX	PSI Ki	SPR II Rate	(ILL (SPM)
BIT	569	Depth 90 - 5805		GPM		- 6	Pum Liner		Line	ump 2				ump 4	Pump	1 Q-Z9 2 Q-Z9	9	STROKE DIN	_	0.00		0.0	00 00	MAX	PSI Ki	SPR II Rate	KILL (SPM)
PUMPS BIT	569 580 591	Depth 90 - 5805 95 - 5913 13 - 5930	3	GPM 16	PRESSUR 1490	6	Pum Liner 6	np 1 SPM 50	Line 6 6 6	Pump 2 er SP 50	M Line	r SP	PM Line	ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9 9	OIN OIN	N/A	0.00	er HR	0.0 0.0 0.0	00 00 00 00			SPR II Rate	KILL (SPM)
PUMPS BIT	569 580 591	Depth 90 - 5805 95 - 5913		GPM 16	PRESSUR 1490	6	Pum Liner	np 1 SPM 50	Line 6	Pump 2 er SP 50		r SP		ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3	9 9	IN	N/A	0.00	er HR	0.0 0.0 0.0	00 00 00			SPR II Rate	KILL (SPM)
STRG PUMPS BIT	569 580 591	Depth 90 - 5805 95 - 5913 13 - 5930	3	GPM 16	PRESSUR 1490	6	Pum Liner 6	np 1 SPM 50	Line 6 6 6	Pump 2 er SP 50	M Line	r SP	PM Line	ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9 9	OIN OIN	N/A	0.00	er HR	0.0 0.0 0.0	00 00 00 00			SPR P	KILL (SPM)
STRG PUMPS BIT	569 580 591	Depth 90 - 5805 95 - 5913 13 - 5930	3	GPM 16	PRESSUR 1490	6	Pum Liner 6	np 1 SPM 50	Line 6 6 6	Pump 2 er SP 50	M Line	r SP	PM Line	ump 4	Pump Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9 9	OIN OIN	N/A	0.00	er HR	0.0 0.0 0.0	00 00 00 00			SPR II Rate	KILL (SPM)
DRLLSTRG PUMPS BIT	569 580 591	Depth 90 - 5805 05 - 5913 13 - 5930 SIZE	3	GPM 16	PRESSUR 1490	6	Pum Liner 6	np 1 SPM 50	Line 6 6 6	Pump 2 er SP 50	M Line	r SP	PM Line	ump 4	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	OIN OIN	N/A	0.00	er HR	0.0 0.0 0.0 DRILL	00 00 00 00 _ STRING	REMA	RKS	SURV	EYS
DRLLSTRG PUMPS BIT	569 580 591 LOC Co.	Depth 90 - 5805 05 - 5913 13 - 5930 SIZE CATION No. S TODAY	3	GPM 16	PRESSUR 1490	6	Pum Liner 6	np 1 SPM 50	Line 6 6 6	Pump 2 er SP 50	M Line	r SF	PM Line	ump 4	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	OIN OIN	N/A N/A	0.00 ufacture	er HR	0.0 0.0 0.0 DRILL	00 00 00 00 00 _ STRING	EVIA	RKS	SURV	
BIT	5699 5800 5911	Depth 90 - 5805 05 - 5913 13 - 5930 SIZE CATION No.	WEIGHT	GPM 16	PRESSUR 1490	6	Pum Liner 6	np 1 SPM 50	Line 6 6 6	Pump 2 er SP 50	M Line	r SF	PM Line	ump 4	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	OIN OIN	N/A N/A	0.00 ufacture	er HR	0.0 0.0 0.0 DRILL	00 00 00 00 STRING	EVIA	TION	SURV	EYS
DRLLSTRG PUMPS BIT	5699 5800 5911 LOCC Co. I HRS HRS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE	WEIGHT	GPM 16	PRESSUR 1490	6	Pum Liner 6	50 SPM	Line 6 6 6 THREA	Pump 2 er SP 50	# JNTS	r SF	PM Line	ump 4	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	OIN OIN	N/A N/A	0.00 ufacture	er HR	0.0 0.0 0.0 DRILL	00 00 00 00 STRING	EVIA	TION	SURV	EYS
ENGINES DRLLSTRG PUMPS BIT	569 580 591 LOC Co. HRS HRS AVE	Depth 90 - 5805 05 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE	WEIGHT	GPM 16	PRESSUR 1490		Pum Liner 6	50 SPM	Line 6 6 6	Pump 2 er SP 50	M Line	r SF	PM Line	ump 4	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	OIN OIN	N/A N/A	0.00 ufacture	er HR	0.0 0.0 0.0 DRILL	DEP1	EVIA	TION	SURV	EYS
ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD	WEIGHT	GPM 16 GRAD 1107.00 738.00	PRESSUR 1490		Pum Liner 6 6 7 TJ O.D.	50 Fig. 1	Line 6 6 6 THREA	Pump 2 er SP 50	# JNTS	r SF	PM Line	ump 4	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	OIN OIN	N/A N/A	0.00	er HR	0.0 0.0 0.0 DRILL	DEP1	EVIA	TION	SURV	EYS
DRLLSTRG PUMPS BIT	569 580 591 LOC Co. HRS HRS AVE DEL On Use Use Fue	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand	WEIGHT	GPM 16 GRAD 1107.00	PRESSUR 1490	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER	sp 1 SPM 50	Line 6 6 6 THREA	Pump 2 er SP 50	# JNTS	r SF	PM Line	ump 4	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	OIN OIN	N/A N/A	0.00	er HR	0.0 0.0 0.0 DRILL	DEP1	EVIA	TION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE DEL On Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT	GPM 16 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	PP Line 6 6 6 THREA	Pump 2 SP 50	# JNTS	r SF	PM Line	ump 4	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	OIN OIN	N/A N/A	0.00	er HR	0.0 0.0 0.0 DRILL	DEP1	EVIA	TION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE DEL On Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand	WEIGHT	GPM 116 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDO VOLUME	SPM 50	P Line 6 6 6 THREA	Pump 2 SP 50	# JNTS	r SF	PM Line	ump 4	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	OIN OIN	N/A N/A	0.00	er HR	0.0 0.0 0.0 DRILL	DEP1	EVIA	TION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE DEL On Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT	GPM 116 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	PP Line 6 6 6 THREA	Pump 2 SP 50	# JNTS	r SF	PM Line	ump 4	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	OIN OIN	N/A N/A	0.00	er HR	0.0 0.0 0.0 DRILL	DEP1	EVIA	TION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE DEL On Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT	GPM 116 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	HOURS P Line 6 6 6 THREA	Pump 2 SP 50	# JNTS	r SF	PM Line	ump 4	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	OIN OIN	N/A N/A	0.00	er HR	0.0 0.0 0.0 DRILL	DEP1	EVIA	TION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE DEL On Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT	GPM 16 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	HOURS P Line 6 6 6 THREA	Pump 2 SP 50 AD FU	# JNTS # JNTS TOTAL DOTAGE	r SF	PM Line	ump 4	Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	OIN OIN	N/A N/A	0.00	er HR	0.0 0.0 0.0 DRILL	DEP1	EVIA	TION INC 34	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE DEL On Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT	GPM 16 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	HOURS P Line 6 6 6 THREA	Pump 2 SP 50 AD FU	# JNTS # JNTS TOTAL DOTAGE	r SF	PM Line	ump 4	Pump Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	PAIRS	O.D.	I.D.	LENGT	0.0 0.0 0.0 DRILL	DEP1	EVIA	TION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE DEL On Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT	GPM 16 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	HOURS P Line 6 6 6 THREA	Pump 2 SP 50 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF	IN HOLE	Pump Pump Pump OI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	PAIRS	O.D.	I.D.	LENGT	0.0 0.0 0.0 DRILL	DEP1	EVIA	TION INC 34	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE DEL On Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT	GPM 16 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	HOURS P Line 6 6 6 THREA	Pump 2 SP 50 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL Of COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	PAIRS	O.D.	I.D.	LENGT	0.0 0.0 0.0 DRILL	00 00 00 00 STRING	EVIA	TION INC 34	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR	WEIGHT	GPM 16 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	HOURS P Line 6 6 6 THREA	Pump 2 SP 50 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL Of COLLARS	IN HOLE	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	PAIRS	O.D.	I.D.	LENGT	0.0 0.0 0.0 DRILL	00 00 00 00 STRING	EVIA	TION INC 34	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT	GPM 16 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	HOURS P Line 6 6 6 THREA	Pump 2 SP 50 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL Of COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	STANI SINGL	O.D. O.B. FRO	I.D.	LENGT	0.0 0.0 0.0 DRILL	DEPT 5930	EVIA TH DI	TION INC 34	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT	GPM 16 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	HOURS P Line 6 6 6 THREA	Pump 2 SP 50 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL Of COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	PAIRS STANI SINGL	O.D. O.B. DS ES	I.D.	LENGT	0.4 0.6 0.6 DRILL	DEPT 5930	EVIA TH D	TION INC 34	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT	GPM 16 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	HOURS P Line 6 6 6 THREA	Pump 2 SP 50 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL Of COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	PAIRS	O.D. FRO 5690	0.00 ufacture I.D. 5653.8 63.62 5717.4 358.5	LENGT	0.6 0.6 0.6 DRILL	DEPT 5930	DRIL RE	TION INC 34	SURV L ONS TO	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT	GPM 16 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	HOURS P Line 6 6 6 THREA	Pump 2 SP 50 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL Of COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	PAIRS	O.D. FRO 5690 5805	0.00 ufacture I.D. 5653.8 63.62 5717.4 358.5	LENGT TO 305 313	0.6 0.6 0.6 DRILL	DEPT 5930	DRIL RE	TION INC 34	SURV L ONS TO	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT	GPM 16 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	HOURS P Line 6 6 6 THREA	Pump 2 SP 50 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL Of COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	PAIRS	O.D. FRO 5690 5805	0.00 ufacture I.D. 5653.8 63.62 5717.4 358.5	LENGT TO 305 313	0.6 0.6 0.6 DRILL	DEPT 5930	DRIL RE	TION INC 34	SURV L ONS TO	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS BIT	LOCC Co. HRS HRS AVE Use Fue DIS	Depth 90 - 5805 95 - 5913 13 - 5930 SIZE CATION No. S TODAY S ON WELL S LAST CHGE ERAGE KVA LIVERED TOD Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	WEIGHT	GPM 16 GRAD 1107.00 738.00 -1107.0	PRESSUR 1490 E I.D.	BOILER	Pum Liner 6 6 6 TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 50	HOURS P Line 6 6 6 THREA	Pump 2 SP 50 AD FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LENGTH LY DOWN AL Of COLLARS	IN HOLE ORILL P	Pump Pump Pump IOI	1 Q-Z9 2 Q-Z9 3 4	9 9 9 RE	PAIRS	O.D. FRO 5690 5805	0.00 ufacture I.D. 5653.8 63.62 5717.4 358.5	LENGT TO 305 313	0.6 0.6 0.6 DRILL	DEPT 5930	DRIL RE	TION INC 34	SURV L ONS TO	EYS

Р	ION	NEER	OIL	FIEL	D SEF	RVICES	3. L	LC				MO	RNI	NG R	EPOF	RТ	DATE 201	: 0110)6	RIG N	10. 10	OB TYPE	J	OB NO.		w	ELL TYPE	
WE	LLNA										LEGAL	. DESCRIPT					201	0110	SPUD	DATE / TI 3-10 1			D 44	AYS FR S	PUD	PF	ROJECTE) TD
ОР	ERAT					AND)					соинт	TY / PARISH	ł				STAT	E	JOB S	TART DAT	ΓΕ			AYS ON J	ЮВ	E	ST. RELE	ASE
RIG	MAN 6	NAGER OOD				F		HONE NO			OPERA	ATORS REP		TATIVE	cc). MAN I				ASE DATE			w	EATHER	//28 c	da /		
ОР	ERAT	TIONS @ F			E WIT	- CORE													NS NEXT	24 HRS	eing					<u></u>		
	AC	CIDENTS												# OF JS/	's RIG		Y DAYS	_	FETY RAT	_	G.P.S	. coori	DINATE V -88	s .8934			TE / PRES	
FETY	SAF	FETY MEE			DOWN	CORE								# STOP C	ARDS LAS		TING DAT	Ē				/N-O-MAT					ATE / TIM	
SA	LAS	ST INSPEC	CTION	INS	PECTION	BY / TITLE			CREW	M / U		EXTRA C	REWS /	WHY?				0	FFICE N	OTIFIED	MANH 96.00	OURS PA	ST 24		ВОР	DRILL D	ATE / TIM	ΙE
S	CUR 59 4	RRENT DE	PTH	FOOTA	GE LAST	24 PEN. F	RATE	RC	OT. HRS	M	AX. GAS	BCKGF	R GAS	CONN. G	AS TRIP G	AS	LAST C 9 5/8	ASING	SIZE &	SET DEPT	ГН				_	G CO		
OP	_	OKLOAD		PI	CKUP WE		SI 13	ACKOF	F		ROTATING	 3	RO	TARY TOF	QUE			CASING	3 SIZE &	SET DEP	ТН		DAIL	.Y		S&R		RENTAL
	Time	ne M		IN / OU		el Vis PV			T 10 S		M GEL F		FILT CI	K HTHP	L HTTP	FC	TODAY	FU	EL ADDE	D TO MU			AVE	RAGE	0.0	0	0.0	0
MUD	Mud	d Type It gel	· <u>'</u>	9	6 SOLIDS			D % C		H2O	рН 10.0	MF	1/32 PF 42	CALCIUN	CHLORID	ES	DAILY	942	MUD C			1 00	CUM	ULATIVE	0.0	0	0.0	0
2		NTRIFUGE	S					ER TYPI ONAL	E	<u>* (</u>	10.0	<u> </u>	sc	CREENS 210	[11000		CHANG				SOURC		CUM	ULATIVE	44.0	0	44.	0
	_		ΓO	HRS	CODE							DETAILS			IN SEQUENC	E				2				TIME BR	EAKD	OWN	(Toda	y / Well)
	700 715			0.25 1.25	21 4	safety pick up			rrells/	jars &	make	up												1: RIG U		WN		0.5 320.5
	830 915			0.75 5.75	22 6	unload trip in l						acks to botto	om											3: REAM			2.75 13.50	40.75 81.25
	150	00 15	15 (0.25	21	safety	mee	ting																5: CONI		RC	6.25	78.75 174.0
	151 180	00 23	00 5		3 4	REAM CORIN			30 to	5945														7: LUBR 8: REP				26.75
	230 231		15 (30 ⁷		21 4	SAFET CORIN			IG															9: C/O [1.5 11.5
C	063		00 -		6	TRIP O			LE W	ITH C	ORE#	10												11: WIR	ELINE	LOG		70.5 21.75
E LOG																								13: WAI	T ON C	EMENT		33.5 31.75
TIME																								15: TES 16: DRIL		M TEST		7.75
																								17: PLU 18: SQL	GBAC	(2.25 1.5
																								19: FISH 20: DIR.	HING			
																											0.75 0.75	27.0 21.75
																												5.25
																								OTHER	,			6.75
											_													Total F	lours		24	965.25
	В	BIT#	SIZE		TYPE	N	IAKE		SE	RIAL#		NOZ	ZLES		IN @	O	UT @	DI	RILLED	HR	0.0		RS		COI	NOITION		ROP
ကြ	_																	+										
BITS																					0.0	00						
BITS		5 1			onu I		_	Pui	mp 1	F	Pump 2	P	ump 3	F	ump 4		Т	YPE	STRO	KE Ma		00	IRS	Total HR	S MA	X PSI K	SPR	KILL (SPM)
		Depth	h		GPM	PRESSUR		Pur Liner	SPM		er SP						1 Q-Z	9	STRO	N/A	0.0 0.0 inufacti	00		0.00	S MA	X PSI K	SPR (ill Rate	KILL (SPM)
PUMPS BITS		Depth	h	31		PRESSUR		Liner		Line						Pump	0 1 Q-Z9 0 2 Q-Z9	9			0.0 0.0 inufacti	00	(0.00 0.00 0.00	S MA	X PSI K	SPR (ill Rate	KILL (SPM)
PUMPS		Depth				913		Liner	50	Line	50		r SP			Pump Pump	0 1 Q-Z9 0 2 Q-Z9	9	9IN	N//	0.0 0.0 inufacti	00		0.00 0.00			SPR (ill Rate	KILL (SPM)
STRG PUMPS				31	6	913		Liner 6	50	Line 6	50	M Line	r SP	M Line	er SPM	Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4	9	9IN 9IN	N//	0.0 0.0 inufacti	00		0.00 0.00 0.00 0.00			SPR (ill Rate	KILL (SPM)
PUMPS				31	6	913		Liner 6	50	Line 6	50	M Line	r SP	M Line	er SPM	Pump Pump	0 1 Q-ZS 0 2 Q-ZS 0 3 0 4	9	9IN 9IN	N//	0.0 0.0 inufacti	00		0.00 0.00 0.00 0.00			SPR (ill Rate	KILL (SPM)
STRG PUMPS				31	6	913		Liner 6	50	Line 6	50	M Line	r SP	LENGTH	er SPM	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N//	0.0 0.0 inufacti	00	((DRI	0.00 0.00 0.00 0.00 LL STRIN	G REM	ARKS	SPR (ill Rate	
DRLLSTRG PUMPS	LOC Co.	SIZE		31	6	913		Liner 6	50	Line 6	50	M Line	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 nufacti A A	DO DO urer F	((DRI	0.00 0.00 0.00 0.00 LL STRIN	G REM	ARKS	SURV	
STRG PUMPS	LOC Co. HRS	CATION No. S TODAY S ON WEL	W	31	6	913		Liner 6	50	Line 6	50	M Line	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 nufacti A A	DO DO urer F	((DRI	0.00 0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
DRLLSTRG PUMPS	LOC Co. HRS HRS	CATION No. S TODAY S ON WEL S LAST CH	L HGE	/EIGHT	6	913		Liner 6	50	Line 6	50	M Line	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 nufacti A A	DO DO urer F	((DRI	0.00 0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
ENGINES DRLLSTRG PUMPS	LOC Co. HRS HRS AVE	CATION No. S TODAY S ON WEL S LAST CH	L HGE	/EIGHT	6	913 E I.D.		Liner 6	50 50	Line 6	SP 50	M Line	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 nufacti A A	DO DO urer F	((DRI	0.00 0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
ENGINES DRLLSTRG PUMPS	LOC Co. HRS HRS AVE	CATION No. S TODAY S ON WEL S LAST CHERAGE KV	LL HGE VA	/EIGHT	6 GRAD	913 E I.D.		TJ O.C	50 50 0.	THRE	SP 50	# JNTS	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 nufacti A A	DO DO urer F	((DRI	0.00 0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
DRLLSTRG PUMPS	LOC Co. HRS HRS AVE On Use Use Fue	CATION No. S TODAY S ON WEL S LAST CHERAGE KV	L IGE VA TODAY	/EIGHT	2009.00 -902.00	913 E I.D.	LER	TJ O.E	SPM 50	THRE	SP 50	# JNTS	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 nufacti A A	DO DO urer F	((DRI	0.00 0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOC Co. HRS HRS AVE DEI On Use Fue DIS	CATION No. S TODAY S ON WEL S LAST CHERAGE KV LIVERED THAND HAND ed Today ed This Wo	LL HGE VA TODAY	// / / / / / / / / / / / / / / / / / /	2009.00 -902.00 -2009.0	913 E I.D. 0 TOTAL	BOILER	TJO.C TODAY WELL BOILER BLOWD VOLUM	SPM 50 D.	THRE/	FU	# JNTS	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 nufacti A A	DO DO urer F	((DRI	0.00 0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOC Co. HRS HRS AVE DEI On Use Fue DIS	SIZE CATION No. S TODAY S ON WEL S LAST CHERAGE KV LIVERED 1 Hand ed Today ed This Well el Brand STRIBUTOR	LL HGE VA TODAY	/EIGHT	2009.00 -902.00 -2009.0	913 E I.D.	BOILER	TJ O.C TODAY WELL BOILER BLOWD	SPM 50	THRE/	FU	# JNTS	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 nufacti A A	DO DO urer F	((DRI	0.00 0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
ENGINES DRLLSTRG PUMPS	LOC Co. HRS HRS AVE DEI On Use Fue DIS	SIZE CATION No. S TODAY S ON WEL S LAST CHERAGE KV LIVERED 1 Hand ed Today ed This Well el Brand STRIBUTOR	LL HGE VA TODAY	// IHRS LA	2009.00 -902.00 -2009.0	913 E I.D. 0 TOTAL HRS	BOILER	TJO.C TODAY WELL BOILER BLOWD VOLUM	SPM 50 D. R # POWN IES	THRE/	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 nufacti A A	DO DO urer F	((DRI	0.00 0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOC Co. HRS HRS AVE DEI On Use Fue DIS	SIZE CATION No. S TODAY S ON WEL S LAST CHERAGE KV LIVERED 1 Hand ed Today ed This Well el Brand STRIBUTOR	LL HGE VA TODAY	// IHRS LA	2009.00 -902.00 -2009.0	913 E I.D. 0 TOTAL HRS	BOILER	TJO.C TODAY WELL BOILER BLOWD VOLUM	SPM 50 D. R # POWN IES	THRE/	FU	# JNTS	r SP	LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 nufacti A A	DO DO urer F	((DRI	0.00 0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOC Co. HRS HRS AVE DEI On Use Fue DIS	SIZE CATION No. S TODAY S ON WEL S LAST CHERAGE KV LIVERED 1 Hand ed Today ed This Well el Brand STRIBUTOR	LL HGE VA TODAY	// IHRS LA	2009.00 -902.00 -2009.0	913 E I.D. 0 TOTAL HRS	BOILER	TJO.C TODAY WELL BOILER BLOWD VOLUM	SPM 50 D. R # POWN IES	THRE/	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	r SP	LENGTH	IN HOLE	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	O.D.	0.0 0.0 nufacti A A	DO DO urer F	((DRI	0.00 0.00 0.00 0.00 0.00 LL STRIN	DEVIA	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOC Co. HRS HRS AVE DEI On Use Fue DIS	SIZE CATION No. S TODAY S ON WEL S LAST CHERAGE KV LIVERED 1 Hand ed Today ed This Well el Brand STRIBUTOR	LL HGE VA TODAY	// IHRS LA	2009.00 -902.00 -2009.0	913 E I.D. 0 TOTAL HRS	BOILER	TJO.C TODAY WELL BOILER BLOWD VOLUM	SPM 50 D. R # POWN IES	THRE/	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF	IN HOLE	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN PREPAIRS	N/A	0.0 0.0 nufacti A A	DO DO urer F	((DRI	0.00 0.00 0.00 0.00 0.00 LL STRIN	DEVIA	ATION	I SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOC Co. HRS HRS AVE DEI On Use Fue DIS	SIZE CATION No. S TODAY S ON WEL S LAST CHERAGE KV LIVERED 1 Hand ed Today ed This Well el Brand STRIBUTOR	LL HGE VA TODAY	// IHRS LA	2009.00 -902.00 -2009.0	913 E I.D. 0 TOTAL HRS	BOILER	TJO.C TODAY WELL BOILER BLOWD VOLUM	SPM 50 D. R # POWN IES	THRE/	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DI LONG DI LONG	IN HOLE DRILL F	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN PREPAIRS	N// N// N// O.D.	0.0 0.0 nufacti A A	DO DO urer F	((DRI	0.00 0.00 0.00 0.00 0.00 LL STRIN	DEVIA	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCC Co. HRS HRS AVE DEI On Use Use Signature DIS	SIZE CATION No. S TODAY S ON WEL S LAST CH ERAGE KV CLIVERED T Hand ed Today ed This Wel el Brand STRIBUTOR SERIAL #	L HGE VA TODAY	HRS LA	2009.00 -902.00 -2009.0	913 E I.D. 0 TOTAL HRS	BOILER	TJO.C TODAY WELL BOILER BLOWD VOLUM	SPM 50 D. R # POWN IES	THRE/	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH DF A A A A A A A A A A A A A	IN HOLE	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN PREPAIRS	N// N// N// O.D.	0.0 0.0 nufacti A A	LENG	GTH	DEF	DEVI/	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCC Co. HRS HRS AVE DEI On Use Use Signature DIS	SIZE CATION No. S TODAY S ON WEL S LAST CHERAGE KV LIVERED 1 Hand ed Today ed This Well el Brand STRIBUTOR	L HGE VA TODAY	HRS LA	2009.00 -902.00 -2009.0	913 E I.D. 0 TOTAL HRS	BOILER	TJO.C TODAY WELL BOILER BLOWD VOLUM	SPM 50 D. R # POWN IES	THRE/	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH DF A A A A A A A A A A A A A	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN PREPAIRS	O.D. ANDS IGLES	I.D.	LENG	GTH	DEPTH CODE	DEVI/	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCC Co. HRS HRS AVE DEI On Use Use Signature DIS	SIZE CATION No. S TODAY S ON WEL S LAST CHERAGE KV CLIVERED TO Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	L HGE VA TODAY	HRS LA	2009.00 -902.00 -2009.0	913 E I.D. 0 TOTAL HRS	BOILER	TJO.C TODAY WELL BOILER BLOWD VOLUM	SPM 50 D. R # POWN IES	THRE/	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH DF A A A A A A A A A A A A A	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN PREPAIRS	N//	I.D.	LENG	GTH	DEPTH CODE	DEVIAPTH 42	ATION	ONS TO	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCC Co. HRS HRS AVE DEI On Use Use Signature DIS	SIZE CATION No. S TODAY S ON WEL S LAST CHERAGE KV CLIVERED TO Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	L HGE VA TODAY	HRS LA	2009.00 -902.00 -2009.0	913 E I.D. 0 TOTAL HRS	BOILER	TJO.C TODAY WELL BOILER BLOWD VOLUM	SPM 50 D. R # POWN IES	THRE/	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH DF A A A A A A A A A A A A A	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN PREPAIRS	O.D. ANDS IGLES	I.D.	LENG	GTH	DEPTH CODE	DEVI/	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCC Co. HRS HRS AVE DEI On Use Use Signature DIS	SIZE CATION No. S TODAY S ON WEL S LAST CHERAGE KV CLIVERED TO Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	L HGE VA TODAY	HRS LA	2009.00 -902.00 -2009.0	913 E I.D. 0 TOTAL HRS	BOILER	TJO.C TODAY WELL BOILER BLOWD VOLUM	SPM 50 D. R # POWN IES	THRE/	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH DF A A A A A A A A A A A A A	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN PREPAIRS	O.D. ANDS IGLES	I.D.	LENG	GTH	DEPTH CODE	DEVIAPTH 42	ATION	ONS TO	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCC Co. HRS HRS AVE DEI On Use Use Signature DIS	SIZE CATION No. S TODAY S ON WEL S LAST CHERAGE KV CLIVERED TO Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	L HGE VA TODAY	HRS LA	2009.00 -902.00 -2009.0	913 E I.D. 0 TOTAL HRS	BOILER	TJO.C TODAY WELL BOILER BLOWD VOLUM	SPM 50 D. R # POWN IES	THRE/	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH DF A A A A A A A A A A A A A	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN PREPAIRS	O.D. ANDS IGLES	I.D.	LENG	GTH	DEPTH CODE	DEVIAPTH 42	ATION	ONS TO	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCC Co. HRS HRS AVE DEI On Use Use Signature DIS	SIZE CATION No. S TODAY S ON WEL S LAST CHERAGE KV CLIVERED TO Hand ed Today ed This Well el Brand STRIBUTOR SERIAL #	L HGE VA TODAY	HRS LA	2009.00 -902.00 -2009.0	913 E I.D. 0 TOTAL HRS	BOILER	TJO.C TODAY WELL BOILER BLOWD VOLUM	SPM 50 D. R # POWN IES	THRE/	FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DF LENGTH DF A A A A A A A A A A A A A	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN PREPAIRS	O.D. ANDS IGLES	I.D.	LENG	GTH	DEPTH CODE	DEVIAPTH 42	ATION	ONS TO	EYS

Р	IOI	NEER C	OILFI	IELD	SER	VICES	i, Ll	LC				MO	RN	ING I	REPO	₹T	201	0110)7	RIG N	0. 30	B TYPE	30	OB NO.		l vv	ELL TYPE	-
WE	LLN	NAME I Verificat									LEGAL	DESCRIP			12. 0.		201	-	SPUD	DATE / TI 3-10 1			D/ 45	AYS FR S	PUD	Pi	ROJECTE	D TD
		ATOR I (ARCHE	R DAI	NIEL I	MIDLAI	ND)					coun Mac	TY / PARIS	Н				STAT	ΓE		TART DAT			D/ 53	AYS ON J	ОВ	E	ST. RELE	ASE
RIG	э ма	ANAGER /OOD				R		ONE NU				ATORS RE		NTATIVE	Co	D. MAN	PH NO.		RELEA	ASE DATE	/TIME			EATHER LOUDY	//28 c	dg /		
ОР		ATIONS @ RE	PORT T	IME							1								NS NEXT	24 HRS	eing					<u></u>		
	AC	CCIDENTS C	R NEAF	R MISSE	S:									# OF JS	A's RIG		TY DAYS		FETY RAT		G.P.S.	coord 8796 W	INATE V -88 .	s . 8934			ATE / PRES	
FETY	SA	AFETY MEET aking coi			mud &	chem								# STOP	CARDS LA		TING DAT	ΓE				N-O-MATI					DATE / TIM	
SAI		AST INSPECT				Y / TITLE			CREW	M/U		EXTRA	CREW	S / WHY?	0/1			O	FFICE N	OTIFIED		OURS PA	ST 24		ВОР	DRILL D	DATE / TIM	IE
		JRRENT DEP			E LAST 24	4 PEN. R			T. HRS	IV	AX. GAS	ВСКО	R GAS	CONN.	SAS TRIP	GAS			SIZE &	SET DEPT					RI	G CO	STS	
OPS	но	223 OOKLOAD			(UP WEIG	21.80 SHT	SL	ACKOF	.75 F		ROTATIN	G		ROTARY TO	RQUE		13 3/8 NEXT C		G SIZE &	350 SET DEPT	Н		DAIL	v		S&R		RENTAL
	13 Tim	ne Mud	d Wt IN	135 / OUT	Funnel	l l		YLD PT	T 10 S		M GEL	Fl. Loss	FILT	СК НТНР	FL HTTP	FC		FU	IEL ADDE	D TO MU					0.0	<u> </u>	0.0	•
		ıd Type		% \$	45 OLIDS 9	14 6 LCM %		6 D % O	3 L %	H2O	pH	9.4 MF	1/32 PF	CALCIU	M CHLORIE	ES	TODAY		MUD C					RAGE ULATIVE				
MUD	_	alt gel ENTRIFUGES		5		_		 ER TYPE		5	10.0	1.1	.6	SCREENS	10500		DAILY CHANG		0.00	CUM. 1				ULATIVE	-		0.0	
	FF	ROM TO) H	IRS	CODE	N	IATI	ONAL	_			DETAIL	S OF O	210 PERATIONS	S IN SEQUENC	Œ				HYD			DAYS	TIME BR	45.0		45.	y / Well)
	70					safety r			\	//TLL C	ODE 4													1: RIG U	JP / DO		12.75	0.5
		045 141	5 3.5	5 4		LAY DO	N	I JAR	S/ INN	IER B	ARRE			ECOVE ITER BA	RED)									2: DRILL	/ING			333.25 40.75
		115 150 500 151				TRIP IN SAFET				IT # 10)													4: CORI	D. & CI	RC	3.5	84.75 78.75
	15	515 180	0 2.7	75 6		TRIP IN	НО	LE RE	EAM F			ΓΟ 5990												6: TRIPS		RIG	7.0	181.0
			5.00.2			DRILL I SAFET				ช 0 55	/30 to	o /45 fix	(line	r gasket	on m.p)									8: REPA 9: C/O D				26.75 1.5
	23	315 070	0 7.7	75 2		DRILL I	FRO	M 605	55- 62	223														10: DEV 11: WIR	IATION	1		11.5 70.5
507																								12: RUN 13: WAI	CSG 8	& CMNT		21.75 33.5
TIME L																								14: NIPF	PLE UF			31.75 7.75
Ē																								15: TES 16: DRIL 17: PLU	L STE			2.25
																								18: SQU	JEEZE			1.5
	H																						-	19: FISH 20: DIR.		(0.75	07.7E
																											0.75	27.75 21.75
																												5.25
	H																							OTHER	<u> </u>		0.0	6.75
		DIT#	0175	T	/DE		ALCE		l 05	DIAL #		NO	771 50		I N. S	1 0	LIT @	l p	DII I ED	LID	. I	OLINA LIE		Total F	lours		24.0	989.25
ပ္	10	8 1		GX 44		нтс	AKE		60755		3X12		ZZLES		5990	0	UT @	D	RILLED	HRS		CUM. HF	3		COI	NDITION		ROP
		1 10 1							60755	527	2 Y 1 2	1																
BITS	10	0 1	/2	GX 44		нтс			00700	, <u>,</u>	3X12				5990						0.0							
	10		/2				- L		mp 1		Pump 2		Pump :	3	5990 Pump 4		Т	YPE	STRO	KE Ma	0.0 0.0 nufactu	00	RS	Total HRS	S MA	X PSI	SPR Kill Rate	KILL (SPM)
		Depth	/2			PRESSURI					Pump 2			3 SPM Lir	Pump 4		1 Q-Z	9	STROI 9IN 9IN	KE Ma	0.0 nufactu	00	0	Total HR:	S MA	X PSI K	SPR (ill Rate	KILL (SPM)
PUMPS BI	599	Depth	/2		PM	PRESSURI		Pun Liner 6	mp 1	1 Lin 6	Pump 2 er SF	PM Lin			Pump 4	Pump	o 1 Q-Z9 o 2 Q-Z9 o 3	9	9IN	N/A	0.0 nufactu	00	0).00).00).00	S MA	X PSI _k	SPR (ill Rate	KILL (SPM)
PUMPS	599	Depth	VEIO WEIO	G	PM			Pun Liner	np 1 SPM	1 Lin	Pump 2 er SF	PM Lin	er S		Pump 4	Pump Pump Pump	o 1 Q-Z9 o 2 Q-Z9 o 3	9	9IN	N/A	0.0 nufactu	00	0 0).00).00			SPR (ill Rate	KILL (SPM)
STRG PUMPS	599	Depth 190 - 6055 155 - 6223		G	PM 14	PRESSURI		Pun Liner 6 6	np 1 SPM	1 Lin 6 6	Pump 2 er SF	PM Lin	er S	SPM Lir	Pump 4 er SPM	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN	N/A	0.0 nufactu	00	0 0	0.00 0.00 0.00 0.00			SPR (ill Rate	KILL (SPM)
PUMPS	599	Depth 190 - 6055 155 - 6223		G	PM 14	PRESSURI		Pun Liner 6 6	np 1 SPM	1 Lin 6 6	Pump 2 er SF	PM Lin	er S	SPM Lir	Pump 4 er SPM	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN	N/A	0.0 nufactu	00	0 0	0.00 0.00 0.00 0.00			SPR (ill Rate	KILL (SPM)
STRG PUMPS	599	Depth 190 - 6055 155 - 6223		G	PM 14	PRESSURI		Pun Liner 6 6	np 1 SPM	1 Lin 6 6	Pump 2 er SF	PM Lin	er S	SPM Lir	Pump 4 er SPM	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A	0.0 nufactu	00	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REM	IARKS	SPR (ill Rate	
DRLLSTRG PUMPS	599 609	Depth 1990 - 6055 155 - 6223 SIZE		G	PM 14	PRESSURI		Pun Liner 6 6	np 1 SPM	1 Lin 6 6	Pump 2 er SF	PM Lin	er S	SPM Lir	Pump 4 er SPM IN HOL	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REM	ATION	I SURV	
STRG PUMPS	599 609 LO Coo HR	Depth 090 - 6055 055 - 6223 SIZE DCATION D. No. RS TODAY RS ON WELL	WEIG	G	PM 14	PRESSURI		Pun Liner 6 6	np 1 SPM	1 Lin 6 6	Pump 2 er SF	PM Lin	er S	SPM Lir	Pump 4 er SPM IN HOL	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REM	ATION	I SURV	'EYS
DRLLSTRG PUMPS	599 609 LO Coo HR HR AV	Depth 1990 - 6055 1955 - 6223 SIZE DCATION D. No. RS TODAY RS ON WELL RS LAST CHG	WEIG	G	PM 14	PRESSURI		Pun Liner 6 6	np 1 SPM	1 Lin 6 6	Pump 2 er SF	PM Lin	er S	SPM Lir	Pump 4 er SPM IN HOL	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REM	ATION	I SURV	'EYS
ENGINES DRLLSTRG PUMPS	599 600 LO Co HR HR HR	Depth 1990 - 6055 155 - 6223 SIZE DCATION D. No. RS TODAY RS ON WELL RS LAST CHG	WEIG	GHT	PM 14 GRADE	PRESSURI		Pun Liner 6 6	50	1 Lin 6 6	Pump 2 er SF	PM Lin	er S	SPM Lir	Pump 4 er SPM IN HOL	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REM	ATION	I SURV	'EYS
ENGINES DRLLSTRG PUMPS	LO Co HR HR AV	Depth 1990 - 6055 155 - 6223 SIZE DOCATION DO NO. RS TODAY RS ON WELL RS LAST CHG VERAGE KVA ELIVERED TO IN Hand IN Hand RS HAND RS TODAY	WEIG	GHT 1 6	GRADE 394.00 15.00	PRESSURI		Pun Liner 6 6 7 TJ O.D	50 50	1 Lin 6 6 6 THRE	Pump 2 er SF	# JNTS	er S	SPM Lir	Pump 4 er SPM IN HOL	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REM	ATION	I SURV	'EYS
DRLLSTRG PUMPS	599 603 603 LO Co HR HR AV DE On Us Fu	Depth 1990 - 6055 155 - 6223 SIZE DCATION D. NO. RS TODAY RS ON WELL RS LAST CHG VERAGE KVA ELIVERED TO IN Hand IS SEED TO	WEIG	GHT 1 6	9M 14 GRADE	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER	mp 1 SPM	1 Lin 6 6 6 THRE	Pump 2 er SF	# JNTS	er S	SPM Lir	Pump 4 er SPM IN HOL	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REM	ATION	I SURV	'EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION DO NO. RS TODAY RS ON WELL RS LAST CHG VERAGE KVA ELIVERED TO IN Hand ISEN TODAY IN HAND IN HAN	WEIG	GHT 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER	mp 1 SPM 500.	1 Lin 6 6 6 THRE	Pump 2 er SF 50 AD	# JNTS	er S	SPM Lir	Pump 4 er SPM IN HOL	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REM	ATION	I SURV	'EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DCATION D. NO. RS TODAY RS ON WELL RS LAST CHG VERAGE KVA ELIVERED TO IN Hand IS SEED TO	WEIG	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM	spw	Lin 6 6 6 THRE	Pump 2 er SF 50 AD	# JNTS	er S	SPM Lir	Pump 4 er SPM IN HOL	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REM	ATION	I SURV	'EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION DO NO. RS TODAY RS ON WELL RS LAST CHG VERAGE KVA ELIVERED TO IN Hand ISEN TODAY IN HAND IN HAN	WEIG	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM CUM.	spw	Lin 6 6 6 THRE	Pump 2 er SF 50 AD	# JNTS	er S	SPM Lir	Pump 4 er SPM IN HOL	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REM	ATION	I SURV	'EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION DO NO. RS TODAY RS ON WELL RS LAST CHG VERAGE KVA ELIVERED TO IN Hand ISEN TODAY IN HAND IN HAN	WEIG	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPM	Lin 6 6 6 THRE	Pump 2 er SF 50 AD	# JNTS	NO NO	SPM Lir	Pump 4 er SPM IN HOL	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	G REM	ATION	I SURV	'EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION DO NO. RS TODAY RS ON WELL RS LAST CHG VERAGE KVA ELIVERED TO IN Hand ISEN TODAY IN HAND IN HAN	WEIG	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPM	HOURS	Pump 2 er SF 50 AD FL	# JNTS	NO NO	SPM Lir	Pump 4 er SPM IN HOL	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	DEVIA	ATION 6223	I SURV	'EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV DE On Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION DO NO. RS TODAY RS ON WELL RS LAST CHG VERAGE KVA ELIVERED TO IN Hand ISEN TODAY IN HAND IN HAN	WEIG	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPM	HOURS	Pump 2 er SF 50 AD FL	# JNTS	NO NO	SPM Lir	Pump 4 er SPM IN HOL	Pump Pump E C	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	DEVIA	ATION 6223	I SURV	'EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV DE On Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION DO NO. RS TODAY RS ON WELL RS LAST CHG VERAGE KVA ELIVERED TO IN Hand ISEN TODAY IN HAND IN HAN	WEIG	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPM	HOURS	Pump 2 er SF 50 AD FL	# JNTS	NO N	LENGTH LENGTH	Pump 4 ler SPM IN HOL	Pump Pump E C	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	urer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	DEVIA	ATION 6223	I SURV	'EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV DE On Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION DO NO. RS TODAY RS ON WELL RS LAST CHG VERAGE KVA ELIVERED TO IN Hand ISEN TODAY IN HAND IN HAN	WEIG	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPM	HOURS	Pump 2 er SF 50 AD FL	# JNTS	NO N	LLY DOWN	Pump 4 ler SPM IN HOLI BRILLING A DRILL I	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	I.D.	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 LL STRING	DEVIA	ATION 6223	I SURV	'EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION DO NO. RS TODAY RS ON WELL RS LAST CHG VERAGE KVA ELIVERED TO IN Hand Seed Today Seed Today Seed This Well LIVERED TO IN HAND SEED TO	WEIG GE A DDAY	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPM	HOURS	Pump 2 er SF 50 AD FL	# JNTS	NO N	LLY DOWN	Pump 4 ler SPM IN HOLI	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N// N// O.D. ANDS	I.D.	LENG	DD DE LE	DEPTH	DEVIA PTH	ATION 6223 DIRECTI	I SURV	ZEYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION D. NO. RS TODAY RS ON WELL RS LAST CHO VERAGE KVA ELIVERED TO IN Hand ISENIAL #	WEIG GE A DDAY	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPM	HOURS	Pump 2 er SF 50 AD FL	# JNTS	NO N	LLY DOWN	Pump 4 ler SPM IN HOLI BRILLING A DRILL I	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N//	I.D.	LENG	DD DE LE	DEPTH CODE	DEVIA PTH	ATION 6223	I SURV	'EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION D. NO. RS TODAY RS ON WELL RS LAST CHO VERAGE KVA ELIVERED TO IN Hand ISENIAL #	WEIG GE A DDAY	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPM	HOURS	Pump 2 er SF 50 AD FL	# JNTS	NO N	LLY DOWN	Pump 4 ler SPM IN HOLI BRILLING A DRILL I	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N// N// O.D. ANDS IGLES	I.D.	LENG	DD	DEPTH CODE D	DEVI/PTH	ATION 6223 DIRECTI	I SURV	ZEYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION D. NO. RS TODAY RS ON WELL RS LAST CHO VERAGE KVA ELIVERED TO IN Hand ISENIAL #	WEIG GE A DDAY	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPM	HOURS	Pump 2 er SF 50 AD FL	# JNTS	NO N	LLY DOWN	Pump 4 ler SPM IN HOLI BRILLING A DRILL I	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N// N// N// O.D. ANDS IGLES FROM 5990	I.D.	LENG TO 6055	DD	DEPTH CODE D	DEVIA PTH	ATION 6223 DIRECTI	I SURV	ZEYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION D. NO. RS TODAY RS ON WELL RS LAST CHO VERAGE KVA ELIVERED TO IN Hand ISENIAL #	WEIG GE A DDAY	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPM	HOURS	Pump 2 er SF 50 AD FL	# JNTS	NO N	LLY DOWN	Pump 4 ler SPM IN HOLI BRILLING A DRILL I	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N// N// N// O.D. ANDS IGLES FROM 5990	I.D.	LENG TO 6055	DD	DEPTH CODE D	DEVIA PTH	ATION 6223 DIRECTI	I SURV	ZEYS AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION D. NO. RS TODAY RS ON WELL RS LAST CHO VERAGE KVA ELIVERED TO IN Hand ISENIAL #	WEIG GE A DDAY	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPM	HOURS	Pump 2 er SF 50 AD FL	# JNTS	NO N	LLY DOWN	Pump 4 ler SPM IN HOLI BRILLING A DRILL I	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N// N// N// O.D. ANDS IGLES FROM 5990	I.D.	LENG TO 6055	DD	DEPTH CODE D	DEVIA PTH	ATION 6223 DIRECTI	I SURV	ZEYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LO Co HR HR AV Us Fu Dis	Depth 1990 - 6055 155 - 6223 SIZE DOCATION D. NO. RS TODAY RS ON WELL RS LAST CHO VERAGE KVA ELIVERED TO IN Hand ISENIAL #	WEIG GE A DDAY	GHT 1 1 6	394.00 15.00 1394.00	PRESSURI	BOILER	Pun Liner 6 6 6 TJ O.D TODAY WELL BOILER BLOWD VOLUM CUM.	mp 1 SPM	HOURS	Pump 2 er SF 50 AD FL	# JNTS	NO N	LLY DOWN	Pump 4 ler SPM IN HOLI BRILLING A DRILL I	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N// N// N// N// O.D. ANDS IGLES FROM 5990	I.D.	LENG TO 6055	DD	DEPTH CODE D	DEVIA PTH	ATION 6223 DIRECTI	I SURV	ZEYS AZM

Р	10	NEER	OIL	FIEL	D SEF	RVICES	3. L	LC				MOI	RNI	NG R	EPOF	?T	DATE 201	: 0110	R	RIG N	0. 30	B TYPE	30	B NO.		WE	LL TYPE	
WE	ELLN	NAME 1 Verifica									LEGAL	DESCRIPTION		1101		<u> </u>	201	0110	SPUD	15 DATE / TI 3-10 1			DA 46	AYS FR SF	PUD	PR	OJECTED	TD
ОР	ERA	ATOR I (ARCH				AND)					соинт	Y / PARISH On					STAT	ΓE	JOB S	TART DAT	E			YS ON JO	ОВ	ES	T. RELEA	ASE
RIG	G M	ANAGER VOOD				F		ONE NU			OPERA	TORS REP		TATIVE	co	. MAN I			+	ASE DATE			WI	EATHER 9 dg / b	reezv	<u> </u>		
OP	ERA	ATIONS @ F			ick up				-		• •				ļ				NS NEXT				1,50		~ - y			
	Α	CCIDENTS one					-							# OF JSA	r's RIG	SAFET	Y DAYS		ETY RAT		G.P.S. N 39.	COORD 8796 W	INATE / -88 .	s . 8934			TE / PRES 00/250	
FETY	S	AFETY MEE												# STOP C	ARDS LAS	T MEET	TING DAT	ΓE				N-O-MATI					TE / TIM	
SAI		AST INSPEC			PECTION	BY / TITLE			CREW	M/U		EXTRA C	REWS /	WHY?				0	FFICE N	OTIFIED	MANHO 100.0	OURS PAS	ST 24		BOP D	RILL DA	TE / TIM	E
S		URRENT DE	EPTH	FOOTA	GE LAST	24 PEN. F		RO 17.	T. HRS	M	AX. GAS	BCKGR	GAS	CONN. G	AS TRIP G	AS	LAST 0		SIZE &	SET DEPT 5320	Н				1	COS		
OPS	нс	OOKLOAD 35			CKUP WE			ACKOFF			ROTATING	<u> </u>	RC	DTARY TOR	QUE				SIZE &	SET DEP	ГН		DAIL	Y	S	8 & R	F	RENTAL
	Tir			IN / OU		el Vis PV					M GEL F		FILT CH 1/32	C HTHP F	L HTTP	FC	TODAY	FU	EL ADDE	D TO MU			AVER	RAGE	0.00		0.00)
MUD	М	ud Type alt gel	···		6 SOLIDS	% LCM %			6 L % 94	H2O	рН 10.5	MF I	1/32 PF 48	CALCIUM	CHLORID	ES	DAILY	3807	MUD C			2 50	CUMI	ULATIVE	0.00		0.00	 D
2	_	ENTRIFUGE	ES	[6			-	L ER TYPE ONAL	:	<u>. (</u>	10.5	. 9 2	SC	REENS 10	10200		CHANG		.50		SOURCE	=	CUMU	JLATIVE	46.0		46.0)
			ТО	HRS	CODE							DETAILS			IN SEQUENC	E				2				TIME BRE	EAKDO	WN	(Toda	y / Well)
	-	00 71 15 15).25 '.75	21 2	SAFET DRILL				6223	TO639	3												1: RIG U 2: DRILL			17.75	0.5 351.0
).25 '.75	21 2	SAFET DRILL				6598														3: REAM 4: CORIN				40.75 84.75
	23	300 23	315 0	.25	21	SAFET	ΥM	EETIN	G														1	5: COND 6: TRIPS			3.0 1.50	81.75 182.25
	0	130 02	230 1		2 5		TIOI	N MUD	& CI	RCUL		OR COR											<u></u>	7: LUBRI 8: REPA		RIG		26.75
			345 1 345 2	.25 2.0	6 5	SHORT CONDI						LE TIGH	IT ——											9: C/O D 10: DEVI			1.0	1.5 12.5
	05	545 06	645 1 700 0		10 6	DEVIA P.O.O.				/4 DEC	SREE												<u>_</u>	11: WIRE				70.5 21.75
E LOG		01							tem															13: WAIT		ſ		33.5 31.75
TIME																								15: TEST 16: DRIL		TEST		7.75
	F																							17: PLUC 18: SQU	EEZE (2.25 1.5
	F																						<u>-</u>	19: FISH 20: DIR.				
	F																						#				0.75	28.5 21.75
	L																						ightharpoons					5.25
	H																						\dashv	OTHER				6.75
		BIT#	SIZE		TYPE		IAKE		QE.	RIAL#		NOZZ	71 EQ		IN @	Lou	UT @	l n	RILLED	HR	2	CUM. HR		Total H	ours	DITION	24	1013.0 ROP
S	10	0 8	3 1/2 3 1/2	GX 4	44	HTC HTC	DAILE		60755 60755	27	3X12 3X12	NOL			5990 5990		01 @		(ILLED	1110	0.0	0			0011			1101
BH	Lic	0) 1/4	GA.					00733	21	3712				3990						0.0	0						
	F																				0.0							
	F	Deptl	h		GPM	PRESSUR	E -	Pun	-	_	ump 2		ımp 3		ump 4			YPE	STROP		0.0 nufactu	0		Total HRS	MAX	PSI Ki	SPR II Rate	KILL (SPM)
	62	Depti			GPM			Liner	np 1 SPM 51	Line							T\ 1 Q-Z 2 Q-Z	9	STROI 9IN 9IN	KE Ma	0.0 nufactu A	0	0	0.00	S MAX	PSI Ki	SPR II Rate	(ILL (SPM)
PUMPS			3		GPM	PRESSUR		Liner	SPM	Line	er SP						0 1 Q-Z 0 2 Q-Z 0 3	9	9IN	N//	0.0 nufactu A	0	0	.00	S MAX	PSI Ki	SPR Rate	(ILL (SPM)
PUMPS		223 - 6393	3		GPM	PRESSUR		Liner 6	5PM 51	Line	51		r SP			Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3	9	9IN	N//	0.0 nufactu A	0	0 0 0	0.00 0.00 0.00			SPR II Rate	KILL (SPM)
STRG PUMPS		223 - 6393 598 - 6680	3	32	GPM	PRESSUR		Liner 6 6	5PM 51	Line 6 6	51	M Line	r SP	M Line	er SPM	Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9	9IN 9IN	N//	0.0 nufactu A	0	0 0 0	0.00 0.00 0.00			SPR II Rate	(ILL (SPM)
PUMPS		223 - 6393 598 - 6680	3	32	GPM	PRESSUR		Liner 6 6	5PM 51	Line 6 6	51	M Line	r SP	M Line	er SPM	Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9	9IN 9IN	N//	0.0 nufactu A	0	0 0 0	0.00 0.00 0.00			SPR II Rate	KILL (SPM)
DRLLSTRG PUMPS	65 	223 - 6393 598 - 6680	3	32	GPM	PRESSUR		Liner 6 6	5PM 51	Line 6 6	51	M Line	r SP	M Line	er SPM	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N//	0.0 nufactu A	0	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	B REMA	RKS	SURV	EYS
DRLLSTRG PUMPS	LC Cc	223 - 6393 598 - 6680 SIZE OCATION o. No.	3 0	32	GPM	PRESSUR		Liner 6 6	5PM 51	Line 6 6	51	M Line	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	O Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	B REMA	RKS	SURV	
STRG PUMPS	LC CC HI	223 - 6393 598 - 6680 SIZE OCATION O. No. RS TODAY RS ON WEL RS LAST CH	3 0 WI	32	GPM	PRESSUR		Liner 6 6	5PM 51	Line 6 6	51	M Line	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	O Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	B REMA	TION	SURV	EYS
DRLLSTRG PUMPS	LC CC HI HI HI	223 - 6393 598 - 6680 SIZE OCATION o. No. RS TODAY RS ON WEL	3 0 WI	32	GPM	PRESSUR		Liner 6 6	51	Line 6 6	SP 51	M Line	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	O Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	B REMA	TION	SURV	EYS
ENGINES DRLLSTRG PUMPS	LC Co HII HII A	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH	3 0 WI	32	GPM 1 1	PRESSUR 1500		TODAY	51	Line 6 6 THRE	SP 51	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	O Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	B REMA	TION	SURV	EYS
ENGINES DRLLSTRG PUMPS	LC Cc HI HI HI O O U U	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KV DELIVERED	3 0 WI LL HGE VA	32	GPM 1 GRADI	PRESSUR 1500	SOILER	TODAY WELL BOILER	51 	Line 6 6 THRE	SP 51	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	O Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	B REMA	TION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HIH HI AN O U U F	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KY DELIVERED ON Hand dised Today Vised This W	3 0 WI LL HGE VA TODAY	32EIGHT	GPM 1 1	PRESSUR 1500	BOILER	TJ O.D. TODAY WELL BOILER BLOWDOVOLUMI	SPM 51 # OWN ES	THRE/	FU	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	O Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	B REMA	TION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HIH HI AN O U U F	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KY ON Hand Used Today Used Today Used This W Usel Brand	3 0 WI	32	GPM 1 1	PRESSUR 1500	BOILER	TJ O.D. TODAY WELL BOILER	SPM 51 # OWN ES	Line 6 6 THRE	FU	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	O Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	B REMA	TION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HIH HI AN O U U F	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KV PELIVERED ON Hand Used Today Used Today Used This W Usel Brand	3 0 WI	32 EIGHT	GPM 1 1	PRESSUR 1500	BOILER	TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM 51 # OWN ES	THRE/	FU	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	O Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	B REMA	TION	SURV	EYS
ENGINES DRLLSTRG PUMPS	LC CC HIH HI AN O U U F	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KV PELIVERED ON Hand Used Today Used Today Used This W Usel Brand	3 0 WI	HRS LA	GPM 1 1	PRESSUR 1500	BOILER	TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM 51 # OWN ES FI	HOURS	FU	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	O Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	B REMA	TION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HIH HI AN U U U F	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KV PELIVERED ON Hand Used Today Used Today Used This W Usel Brand	3 0 WI	HRS LA	GPM 1 1	PRESSUR 1500	BOILER	TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM 51 # OWN ES FI	HOURS	FU	# JNTS # JNTS TOTAL TOTAL TOTAGE	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N//	0.0 nufactu A	O Irer H	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	TION INC	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HIH HI AN U U U F	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KV PELIVERED ON Hand Used Today Used Today Used This W Usel Brand	3 0 WI	HRS LA	GPM 1 1	PRESSUR 1500	BOILER	TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM 51 # OWN ES FI	HOURS	FU	# JNTS # JNTS TOTAL TOTAL TOTAGE	r SP	M Line	IN HOLE	Pump Pump Pump SSEMI	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N// N// O.D.	0.0 nufactu A	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	TION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HIH HI AN U U U F	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KV PELIVERED ON Hand Used Today Used Today Used This W Usel Brand	3 0 WI	HRS LA	GPM 1 1	PRESSUR 1500	BOILER	TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM 51 # OWN ES FI	HOURS	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF	IN HOLE	Pump Pump Pump SSEMI	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N//	I.D.	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	TION INC	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HIH HI AN U U U F	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KV PELIVERED ON Hand Used Today Used Today Used This W Usel Brand	3 0 WI	HRS LA	GPM 1 1	PRESSUR 1500	BOILER	TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM 51 # OWN ES FI	HOURS	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF V DOWN L C COLLARS	IN HOLE OF SPM IN HOLE OF STATE OF THE ST	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N// N// O.D.	I.D. 6412	LENG	0 0 0 0 DRIL	0.00 0.00 0.00 0.00 L STRING	DEVIA	TION INC	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HI	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KV PELIVERED ON Hand Used Today Used Today Used This W Usel Brand	January 1997 1997 1997 1997 1997 1997 1997 199	HRS LA	GPM 1 1	PRESSUR 1500	BOILER	TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM 51 # OWN ES FI	HOURS	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF V DOWN L C COLLARS	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N// N// O.D. ANDS GLES	0.00 nufactu A A	LENG	DD DRILL	DEP 6680	DEVIA	TION INC 34	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HI	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KV DELIVERED ON Hand DISTRIBUTO SERIAL #	January 1997 1997 1997 1997 1997 1997 1997 199	HRS LA	GPM 1 1	PRESSUR 1500	BOILER	TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM 51 # OWN ES FI	HOURS	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF V DOWN L C COLLARS	IN HOLE OF SPM IN HOLE OF STATE OF THE ST	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N// N// O.D.	0.00 nufactu A	LENG	DD DRILL	DEP 6680	DEVIA	TION INC 34	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HI	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KV DELIVERED ON Hand DISTRIBUTO SERIAL #	January 1997 1997 1997 1997 1997 1997 1997 199	HRS LA	GPM 1 1	PRESSUR 1500	BOILER	TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM 51 # OWN ES FI	HOURS	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF V DOWN L C COLLARS	IN HOLE OF SPM IN HOLE OF STATE OF THE ST	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N// N// O.D. O.D. ANDS GLES FR 6223 6393	0.0 nufactu A 1.D.	LENG 1.77 0.77 0.77 0.75	DD D	DEP 6680	DEVIA	TION INC 34	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HI	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KV DELIVERED ON Hand DISTRIBUTO SERIAL #	January 1997 1997 1997 1997 1997 1997 1997 199	HRS LA	GPM 1 1	PRESSUR 1500	BOILER	TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM 51 # OWN ES FI	HOURS	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF V DOWN L C COLLARS	IN HOLE OF SPM IN HOLE OF STATE OF THE ST	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N//	0.0 nufactu A 1.D.	LENG	DD	DEP 6680	DEVIA TH DRIL R 555	TION INC 34	SURV L	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HI	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KV DELIVERED ON Hand DISTRIBUTO SERIAL #	January 1997 1997 1997 1997 1997 1997 1997 199	HRS LA	GPM 1 1	PRESSUR 1500	BOILER	TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM 51 # OWN ES FI	HOURS	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF V DOWN L C COLLARS	IN HOLE OF SPM IN HOLE OF STATE OF THE ST	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N// N// O.D. O.D. ANDS GLES FR 6223 6393	0.0 nufactu A 1.D.	LENG 1.77 0.77 0.77 0.75	DD	DEP 6680	DEVIA TH DRIL R 555	TION INC 34	SURV L	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC CC HI	223 - 6393 598 - 6680 SIZE OCATION O. NO. RS TODAY RS ON WEL RS LAST CH VERAGE KV DELIVERED ON Hand DISTRIBUTO SERIAL #	January 1997 1997 1997 1997 1997 1997 1997 199	HRS LA	GPM 1 1	PRESSUR 1500	BOILER	TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM 51 # OWN ES FI	HOURS	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF V DOWN L C COLLARS	IN HOLE OF SPM IN HOLE OF STATE OF THE ST	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9 9	9IN 9IN REPAIRS	N// N// N// O.D. O.D. ANDS GLES FR 6223 6393	0.0 nufactu A 1.D.	LENG 1.77 0.77 0.77 0.75	DD	DEP 6680	DEVIA TH DRIL R 555	TION INC 34	SURV L	EYS

PI	ONEE	R OI	LFIEL	D SEI	RVICES,	LLC				MO	RNI	NG R	EPOF	RT	DATE 201	0110	9	RIG NO	o. Jo	В ТҮРЕ	Jo	OB NO.		W	ELL TYPE	
	LLNAME OM Veri	ficatio	n Well	#1					LEGAL	. DESCRIPT	ION							DATE / TIN B-10 1			D/ 47	AYS FR S	PUD	PF	ROJECTE	O TD
	RATOR OM (ARC	CHER	DANIE	L MIDL	AND)				COUNT Mac	TY / PARISH ON	l				STAT IL	Έ		ART DATI 5-10 1			55 55	AYS ON J	ОВ	E	ST. RELE	ASE
	MANAGE WOOD					3 PHONE 1 8-943 -		R		ATORS REP		TATIVE	cc	. MAN	PH NO.		RELEA	SE DATE	/ TIME			EATHER 2 dg / b	oreez	у		
	RATIONS Oping in			re barr	ell												NS NEXT									
_	ACCIDEN NONE	NTS OR	NEAR MIS	SSES:								# OF JSA	's RIG	SAFET	Y DAYS	SAI	ETY RAT		g.p.s. N 39. 8	coordin 3 796 W	NATE 88-	s . 8934	вор 10/2	TEST DA 9/10/1 ′	TE / PRE 100/25(SSURE) PSIG
FET	SAFETY tripping											# STOP C		T MEE	TING DAT ' 00	Ė			CROWN YES	I-O-MATIC	CHI	ECKED	ВОР	DRILL D	ATE / TIN	IE
SA	LAST INS	SPECTION	N IN	SPECTION	BY / TITLE		CRE	W M/U		EXTRA C	REWS /	WHY?	,			O	FFICE NO		мапно 96.00	URS PAST	T 24		ВОР	DRILL D	ATE / TIN	IE
	CURRENT 6740	Γ DEPTH	F00T	AGE LAST	7 24 PEN. RA	TE	ROT. HF	RS M	IAX. GAS	BCKGF	RGAS	CONN. GA	S TRIP G	AS	LAST C 9 5/8	ASING	SIZE & S	ET DEPTI	Н				_	G CO		RENTAL
-	HOOKLOA 135	AD	F	PICKUP WE		SLACK	OFF		ROTATING	G	RO	DTARY TOR	QUE		NEXT C	CASING	SIZE & S	ET DEPT	Н		DAIL	Y		S&R		KENTAL
	Time 7	Mud W	t IN / OL	T Funn	el Vis PV	YL[PT 10	S GEL 10			FILT CI	K HTHP F	L HTTP	FC	TODAY	FU	EL ADDE	ото мис сим. 0		,	AVE	RAGE	0.0	0	0.0	0
MUD	Mud Type salt gel			 % SOLIDS 6		SAND	% OIL	% H2O	pH 10.0	MF	PF 37	CALCIUM	CHLORID	ES	DAILY	2653	MUD CO			-50	CUM	ULATIVE	0.0	D	0.0	0
2	CENTRIF	UGES	<u> </u>	<u> </u>	_	HAKER T	YPE	<u> </u>	1010	1.07	sc	REENS	110000		CHANG			WATER S			CUMU	JLATIVE	47.0	0	47.	0
	FROM	T0	HRS	CODE						DETAILS	OF OP	ERATIONS	N SEQUENC	E								TIME BR			(Toda	y / Well)
	700 715	715 1000	0.25 2.75	21 6	safety m	JT OF	HOLE															1: RIG U 2: DRILI		WN		0.5 351.0
	1000 1400	1400 1430	4.0 0.5	6	PICK UP						RRELI	_S /JAR	S & MAK	E UP							 	3: REAM 4: CORI	NG		1.5 8.75	93.5
	1430	1500 1515	0.5 0.25	8 21	FIX AIR SAFETY	LINE (ON #2							-		_					1	5: CONE 6: TRIPS	3		1.75 9.75	83.5 192.0
	1515	1745	2.5	6	TRIP IN	HOLE	W/ CC														<u></u>	7: LUBR 8: REPA			1.5	28.25
			1.5 2.0	3	REAM T				IEGHT	INDICA	TOR											9: C/O D				1.5
	2115	2300	1.75 0.25	5 21	CONDIT	ION M	UD & (ATE												1	11: WIR 12: RUN				70.5 21.75
	2315	2330	0.25	6	P.O.O.H																	13: WAI 14: NIPI				33.5 31.75
	2330 0030	0330		6	P.O.O.H		OW S	IDE CHA	AIN													15: TES		M TEST		7.75
	0330	0615	2.75 0.75	6	LAY DO				P NEW	CORE	BARF	REL (ret	reived 59	ft)								17: PLU 18: SQU	GBAC	(2.25 1.5
		J. 50				· · · · · ·	.	711													1	19: FISH 20: DIR.	IING			
																					\exists				0.75	29.25 21.75
																					\dashv					5.25
																					1	ATUE				0.75
																						OTHER Total F			24.0	6.75 1037.0
	BIT#	SIZ	Æ .	TYPE	MA	KE		SERIAL#		NOZZ	ZLES		IN @	0	UT @	DI	RILLED	HRS	0.00	CUM. HRS	<u> </u>		COI	NDITION		ROP
ဟ																										
BITS																			0.00	0						
BITS							Pump 1		Pump 2	l Pi	ump 3	l p	ump 4		Ιπ	/PE	STROK	E Mar	0.00	0	s I	Total HR	s MA	X PSI	SPR	KILL (SPM)
		eepth		GPM	PRESSURE	Lin	Pump 1 er Si	PM Lin	Pump 2 er SF		ump 3 r SP		ump 4 r SPM		1 Q-Z		STROK 9IN	N/A	0.00 0.00 0.00 nufactu	0		Total HR:	S MA	X PSI K	SPR (ill Rate	KILL (SPM)
PS	D ₀	•	25		PRESSURE									Pump	1 Q-Z 2 Q-Z 3	9	1		0.00 0.00 0.00 nufactu	0	0).00).00).00	S MA	X PSI K	SPR (ill Rate	KILL (SPM)
PUMPS		740	25 WEIGHT		621	6 6		PM Lin	er SP		r SP			Pump Pump	1 Q-Z 2 Q-Z 3	9	9IN	N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	().00).00			SPR (ill Rate	KILL (SPM)
STRG PUMPS	6680 - 6	740		53	621	6 6	er SI	PM Lin 6 6	er SP	PM Line	r SP	M Line	r SPM	Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9	9IN 9IN	N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	().00).00).00).00			SPR (ill Rate	KILL (SPM)
PUMPS	6680 - 6	740		53	621	6 6	er SI	PM Lin 6 6	er SP	PM Line	r SP	M Line	r SPM	Pump Pump	0 1 Q-Z 0 2 Q-Z 0 3 0 4	9	9IN 9IN	N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	().00).00).00).00			SPR (ill Rate	KILL (SPM)
STRG PUMPS	6680 - 6	6740		53	621	6 6	er SI	PM Lin 6 6	er SP	PM Line	r SP	M Line	r SPM	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	SPR (ill Rate	
DRLLSTRG PUMPS	6680 - 6	6740		53	621	6 6	er SI	PM Lin 6 6	er SP	PM Line	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	SURV	
DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD	6740		53	621	6 6	er SI	PM Lin 6 6	er SP	PM Line	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	SURV	EYS
STRG PUMPS	SIZE LOCATIO Co. No. HRS TOD HRS LAS AVERAGE	AY WELL T CHGE	WEIGHT	53	621	6 6	er SI	PM Lin 6 6	er SP	PM Line	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD HRS LAS	ON WELL T CHGE E KVA	WEIGHT	53	621 DE I.D.	TOD	O.D.	PM Lin 6 6	er SF	PM Line	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD HRS ON V HRS LAS	AY WELL T CHGE E KVA	WEIGHT	1681.00	621 DE I.D.	Lin 6 6 6 TJ TJ TOD	O.D. AY	PM Lin 6 6 THRE	er SF	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	SURV	EYS
DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD HRS ON V HRS LAS' AVERAGE On Hand Used Too Used Thi Fuel Brain	AY WELL T CHGE E KVA day is Well nd	WEIGHT	1681.00	621 DE I.D. 0 00	TOD WEL BOIL BLO	O.D. AY LL LER #	PM Lin 6 6 THRE	er SF	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi	AY WELL T CHGE E KVA day is Well nd UTOR	WEIGHT	1681.0 410.00 -1681.0	621 DE I.D. 0 0 TOTAL	TOD WELL BOIL BLOW OVER THE PROPERTY OF THE PR	O.D. AY LER # WDOWN UMES M.	PM Lin 6 6 THRE	er SP 81 AD FU	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD. HRS LAS: AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran DISTRIBL	AY WELL T CHGE E KVA day is Well nd UTOR	WEIGHT	1681.0 410.00 -1681.0	621 DE I.D. 0 0 00	TOD WELL BOIL BLOW VOL	O.D. AY LER # WDOWN UMES M.	PM Lin 6 6 6 THRE	er SP 81 AD FU	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD. HRS LAS: AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran DISTRIBL	AY WELL T CHGE E KVA day is Well nd UTOR	WEIGHT AY HRS L 24	1681.0 410.00 -1681.0	621 DE I.D. 0 0 TOTAL HRS	TOD WELL BOIL BLOW OVER THE PROPERTY OF THE PR	O.D. AY LER # WDOWN UMES M. HRS	PM Lin 6 6 THRE	er SP 81 AD FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD. HRS LAS: AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran DISTRIBL	AY WELL T CHGE E KVA day is Well nd UTOR	WEIGHT AY HRS L 24	1681.0 410.00 -1681.0	621 DE I.D. 0 0 TOTAL HRS	TOD WELL BOIL BLOW OVER THE PROPERTY OF THE PR	O.D. AY LER # WDOWN UMES M. HRS	PM Lin 6 6 THRE	er SP 81 AD FU	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	G REM	ARKS	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD. HRS LAS: AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran DISTRIBL	AY WELL T CHGE E KVA day is Well nd UTOR	WEIGHT AY HRS L 24	1681.0 410.00 -1681.0	621 DE I.D. 0 0 TOTAL HRS	TOD WELL BOIL BLOW OVER THE PROPERTY OF THE PR	O.D. AY LER # WDOWN UMES M. HRS	PM Lin 6 6 THRE	er SP 81 AD FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	r SP	M Line	IN HOLE	Pump Pump SSEM	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	DEVIA PTH	ARKS	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD. HRS LAS: AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran DISTRIBL	AY WELL T CHGE E KVA day is Well nd UTOR	WEIGHT AY HRS L 24	1681.0 410.00 -1681.0	621 DE I.D. 0 0 TOTAL HRS	TOD WELL BOIL BLOW OVER THE PROPERTY OF THE PR	O.D. AY LER # WDOWN UMES M. HRS	PM Lin 6 6 THRE	er SP 81 AD FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DR	IN HOLE	Pump Pump SSEM	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	DEVIA PTH	ATION	I SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD. HRS LAS: AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran DISTRIBL	AY WELL T CHGE E KVA day is Well nd UTOR	WEIGHT AY HRS L 24	1681.0 410.00 -1681.0	621 DE I.D. 0 0 TOTAL HRS	TOD WELL BOIL BLOW OVER THE PROPERTY OF THE PR	O.D. AY LER # WDOWN UMES M. HRS	PM Lin 6 6 THRE	er SP 81 AD FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DR	IN HOLE	Pump Pump SSEM	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A O.D.	0.00 0.00 0.00 nufactu	O O O rer HR:	C C DRII	0.00 0.00 0.00 0.00 LL STRING	DEVIA PTH	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD. HRS LAS: AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran DISTRIBL	AY WELL T CHGE E KVA day is Well nd UTOR	WEIGHT AY HRS L 24	1681.0 410.00 -1681.0	621 DE I.D. 0 0 TOTAL HRS	TOD WELL BOIL BLOW OVER THE PROPERTY OF THE PR	O.D. AY LER # WDOWN UMES M. HRS	PM Lin 6 6 THRE	er SP 81 AD FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DR LOCATION OF THE PROPERTY OF THE PR	IN HOLE	Pump Pump SSEM	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A O.D.	0.00 0.00 0.00 nufactu	DENGT	C C DRII	0.00 0.00 0.00 0.00 LL STRING	DEVIA PTH	ATION	I SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD. HRS LAS: AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran DISTRIBL	AL#	WEIGHT AY HRS L 24	1681.0 410.00 -1681.0	621 DE I.D. 0 0 TOTAL HRS	TOD WELL BOIL BLOW OVER THE PROPERTY OF THE PR	O.D. AY LER # WDOWN UMES M. HRS	PM Lin 6 6 THRE	er SP 81 AD FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DR LOCATION OF THE PROPERTY OF THE PR	IN HOLE IN HOLE ORILL F	Pump Pump SSEM	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A O.D.	0.00 0.00 0.00 nufactu	DENGT	DRIII	0.00 0.00 0.00 0.00 LL STRING	DEVIA PTH	ATION	I SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD. HRS LAS' AVERAGE On Hand Used Too Used Thi Fuel Brain DISTRIBL	AL#	WEIGHT AY HRS L 24	1681.0 410.00 -1681.0	621 DE I.D. 0 0 TOTAL HRS	TOD WELL BOIL BLOW OVER THE PROPERTY OF THE PR	O.D. AY LER # WDOWN UMES M. HRS	PM Lin 6 6 THRE	er SP 81 AD FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DR LOCATION OF THE PROPERTY OF THE PR	IN HOLE IN HOLE ORILL F	Pump Pump SSEM	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A O.D.	0.00 0.00 0.00 nufactu	LENGT	DRIII	DEPTH CODE	DEVIA PTH	ATION	I SURV	/EYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD. HRS LAS' AVERAGE On Hand Used Too Used Thi Fuel Brain DISTRIBL	AL#	WEIGHT AY HRS L 24	1681.0 410.00 -1681.0	621 DE I.D. 0 0 TOTAL HRS	TOD WELL BOIL BLOW OVER THE PROPERTY OF THE PR	O.D. AY LER # WDOWN UMES M. HRS	PM Lin 6 6 THRE	er SP 81 AD FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DR LOCATION OF THE PROPERTY OF THE PR	IN HOLE IN HOLE ORILL F	Pump Pump SSEM	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A O.D.	0.00 0.00 0.00 nufactu	LENGT	DRIII	DEPTH CODE	DEVIA PTH	ATION	ONS TO	/EYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD. HRS LAS' AVERAGE On Hand Used Too Used Thi Fuel Brain DISTRIBL	AL#	WEIGHT AY HRS L 24	1681.0 410.00 -1681.0	621 DE I.D. 0 0 TOTAL HRS	TOD WELL BOIL BLOW OVER THE PROPERTY OF THE PR	O.D. AY LER # WDOWN UMES M. HRS	PM Lin 6 6 THRE	er SP 81 AD FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DR LOCATION OF THE PROPERTY OF THE PR	IN HOLE IN HOLE ORILL F	Pump Pump SSEM	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A O.D.	0.00 0.00 0.00 nufactu	LENGT	DRIII	DEPTH CODE	DEVIA PTH	ATION	ONS TO	/EYS AZM
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD. HRS LAS' AVERAGE On Hand Used Too Used Thi Fuel Brain DISTRIBL	AL#	WEIGHT AY HRS L 24	1681.0 410.00 -1681.0	621 DE I.D. 0 0 TOTAL HRS	TOD WELL BOIL BLOW OVER THE PROPERTY OF THE PR	O.D. AY LER # WDOWN UMES M. HRS	PM Lin 6 6 THRE	er SP 81 AD FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DR LOCATION OF THE PROPERTY OF THE PR	IN HOLE IN HOLE ORILL F	Pump Pump SSEM	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A O.D.	0.00 0.00 0.00 nufactu	LENGT	DRIII	DEPTH CODE	DEVIA PTH	ATION	ONS TO	/EYS AZM
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD. HRS LAS' AVERAGE On Hand Used Too Used Thi Fuel Brain DISTRIBL	AL#	WEIGHT AY HRS L 24	1681.0 410.00 -1681.0	621 DE I.D. 0 0 TOTAL HRS	TOD WELL BOIL BLOW OVER THE PROPERTY OF THE PR	O.D. AY LER # WDOWN UMES M. HRS	PM Lin 6 6 THRE	er SP 81 AD FU	# JNTS # JNTS DEL USED TOTAL COOTAGE	NO.	LENGTH DR LOCATION OF THE PROPERTY OF THE PR	IN HOLE IN HOLE ORILL F	Pump Pump SSEM	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9	9IN 9IN REPAIRS	N/A N/A O.D.	0.00 0.00 0.00 nufactu	LENGT	DRIII	DEPTH CODE	DEVIA PTH	ATION	ONS TO	/EYS AZM

Р	Ol	NEE	R OI	LFIEL	D SE	RVICES	i, Ll	LC				MOI	RNI	NG R	EPOF	RT	201	0111	0	RIG N		OB TYPE	JC	OB NO.		W	ELL TYPE	
WE	ELL	NAME Verif i					<u> </u>				LEGAL	DESCRIPTI							SPUD	DATE / T			D/ 48	AYS FR S	PUD	PF	ROJECTED) TD
		ATOR	HER	DANIE	L MIDL	AND)					COUNT	Y / PARISH On	I				STAT	Έ		TART DA			56	AYS ON J	JOB	E	ST. RELE	ASE
RIC	G M	NOOD	₹			, R		ONE NU				TORS REPI		TATIVE	co	. MAN F	PH NO.		RELE	ASE DATI	E/TIME		w	EATHER	VIND			
ОР	PER	ATIONS	@ REPO		ore barr														NS NEX	T 24 HRS								
	A	ACCIDEN												# OF JSA	's RIG	SAFET	Y DAYS		FETY RA	_	G.P.S N 39.	. coord	INATE V -88	s .8934			TE / PRES	
FETY	s	SAFETY N												# STOP C	ARDS LAS	T MEET	TING DAT	Ē				/N-O-MATI			ļ		ATE / TIM	
SA		AST INSF				BY / TITLE		•	CREW I	M / U		EXTRA C	REWS /	WHY?	0,2	77.11		0	FFICE N	OTIFIED		OURS PA	ST 24		ВОР	DRILL D	ATE / TIM	E
		URRENT	DEPTH		AGE LAS		ATE	ROT	r. HRS	MA	X. GAS	BCKGR	RGAS	CONN. G	AS TRIP G	AS			SIZE &	SET DEP					RI	G CO	STS	
OPS	Н	00KLOA	D		PICKUP W	0.0 EIGHT		ACKOFF			OTATING	<u> </u>	RC	OTARY TOP	QUE		13 3/8 NEXT C		3 SIZE &	SET DEP	ТН		DAIL	v		S&R	F	RENTAL
	Ti	35 ime		t IN / O		el Vis PV	13		10 S C		35 M GEL F	I. Loss	FILT C	K HTHP I	L HTTP	FC		FU	IEL ADDI	ED TO MU				RAGE	0.0		0.0	
MUD	3 M	lud Type	9.1		% SOLIDS	6 % LCM %	SANE	0 % 01		1 -			PF	CALCIUN			TODAY		MUD C					ULATIVE			0.0	
Ĭ	C	alt gel ENTRIFU	GES		6			ER TYPE	94	[1	10.0	.87 .3		REENS	10000		DAILY		2.00		18605 SOURC		CUMI	ULATIVE	10.0		48.	
	F	FROM	то	HRS	CODE	<u> </u>	IATIO	ONAL				DETAILS	_	10 ERATIONS	IN SEQUENC	Ē				HYD			DAYS	TIME BR				y / Well)
			715 1000	0.25 2.75	21 6	safety I			TLI C	DE D	ADDE	11												1: RIG L		WN		0.5 351.0
	1	000	1100	1.0	5	KELL \	′ UP	WASH	1 40 F	ТТОІ	вотто	DM AND	CIRC	;									<u></u> :	2: DRIL 3: REAI	MING		7.5	42.25 101.0
			1430 1500	3.5 0.5	5	CORIN CIRC F			740 T	O6799)												 	4: COR	D. & CI	RC	2.75	86.25
	1:	500	1515	0.25	21	SAFET	Y ME	EETIN		יייט כ	\ T F												 	6: TRIP	RICATE		13.0	205.0
	10	600 2		6.5	5 6	1	UT C	OF HO	LE W	COR		REL NO). 2 C(ORE										8: REP/ 9: C/O [28.25 1.5
			2300 2315	0.5 0.25	6 21	LAY CO) ft														10: DEV				12.5 70.5
90	2	315	2330	0.25	4	PICK U	P C	ORE B	ARRE	<u>L</u>													-	12: RUN 13: WA		& CMNT		21.75 33.5
MEL		245	0315		5	T.I.H W				RCUL/	ATE_													14: NIP	PLE UF			31.75 7.75
MIT.	0			3.75	4	CORIN	G FR	ROM 6	799-															16: DRII	LL STE			2.25
																							<u></u> :	17: PLU 18: SQL 19: FISI	JEEZE			1.5
																							-	20: DIR		(0.75	30.0
																											0.75	21.75
																												5.25
																								OTHER	₹			6.75
		DIT"	Lou	- I	TVDE				055	NAI #		NOT	71 50		IN S	Lau		L		Lun	۰ I			Total I	lours		24.0	1061.0
BITS	E	BIT#	SIZ	.E	TYPE	I IV	IAKE		SEF	RIAL#		NOZZ	ZLES		IN @		JT @	DI	RILLED	HR	0.0		3		COI	NDITION		ROP
																					0.0)0						
B	L																				0.0							
	F	Do	enth		GPM	DDESS! ID	- L	Pum	ıp 1	Р	ump 2	Pı	ump 3	P	ump 4		ТҮ	YPE	STRO	KE Ma		00	RS	Total HR	S MA	X PSI K	SPR ill Rate	KILL (SPM)
	F	De	epth		GPM	PRESSUR		Liner	p 1 SPM 70	P Line				_			1 Q-Z	9	STRO 9IN 9IN	KE Ma	0.0 0.0 anufacti	00	C	Total HR	S MA	X PSI K	SPR ill Rate	KILL (SPM)
PUMPS B	F				GPM			Liner	SPM	Line				_		Pump	1 Q-Z9 2 Q-Z9 3	9	9IN	N/A	0.0 0.0 anufacti	00	0	0.00 0.00 0.00	S MA	X PSI K	SPR ill Rate	KILL (SPM)
PUMPS	67		799	WEIGHT	GPM GRAI	490	6	Liner	SPM	Line	r SPI		r SP	_		Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN	N/A	0.0 0.0 anufacti	00	0	0.00 0.00			SPR ill Rate	KILL (SPM)
STRG PUMPS	67	740 - 67	799	WEIGHT		490	6	Liner	SPM	Line 6	r SPI	M Line	r SP	M Line	er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N/A	0.0 0.0 anufacti	00	0	0.00 0.00 0.00 0.00			SPR ill Rate	KILL (SPM)
STRG PUMPS	67	740 - 67	799	WEIGHT		490	6	Liner	SPM	Line 6	r SPI	M Line	r SP	M Line	er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9	9IN 9IN	N/A	0.0 0.0 anufacti	00	0	0.00 0.00 0.00 0.00			SPR ill Rate	KILL (SPM)
PUMPS	67	740 - 67	799	WEIGHT		490	6	Liner	SPM	Line 6	r SPI	M Line	r SP	M Line	er SPM	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 anufacti	00	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	G REM	IARKS	SPR ill Rate	
DRLLSTRG PUMPS	67	740 - 67 SIZE	799	WEIGHT		490	6	Liner	SPM	Line 6	r SPI	M Line	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 anufacti A A	urer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	G REM	IARKS	SURV	
DRLLSTRG PUMPS	67 	SIZE OCATION Co. No. HRS TODA	799	WEIGHT		490	6	Liner	SPM	Line 6	r SPI	M Line	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 anufacti A A	urer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
DRLLSTRG PUMPS	67 C H H	SIZE OCATION Co. No. HRS TODA HRS ON WHRS LAST	/99			490	6	Liner	SPM	Line 6	r SPI	M Line	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 anufacti A A	urer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
ENGINES DRLLSTRG PUMPS	67 C C H H H	SIZE OCATION Co. No. HRS TODA HRS ON W	/99		GRAI	490 DE I.D.		Liner	SPM 70	Line 6	r SPI	M Line	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 anufacti A A	urer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
ENGINES DRLLSTRG PUMPS	67 C C H H H	SIZE OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE ON Hand Used Toda	/99		1189.0 492.00	490 DE I.D.		TJ O.D. TODAY WELL	SPM 70	THREA	r SPI	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 anufacti A A	urer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
DRLLSTRG PUMPS	67 	SIZE OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This	/99 I //ELL CHGE KVA ED TODA Well d		1189.0	490 DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO	SPM 70	THREA	r SPI	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 anufacti A A	urer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	67 	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	AY	1189.0 492.00 -1189.0	490 DE I.D. 00 00	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME	SPM 70 I I I I I I I I I I I I I I I I I I I	THREA	r SPI	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 anufacti A A	urer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	67 	SIZE OCATION Co. No. HRS TODA HRS ON W HRS LAST AVERAGE DELIVERE On Hand Used Toda Used This	/99		1189.0 492.00 -1189.0	490 DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO	SPM 70	THREA	FUE	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 anufacti A A	urer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	67 	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	AY HRS L	1189.0 492.00 -1189.0	490 DE I.D. 0 0 TOTAL	BOILER	TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 70	THREA OOTAGE	FUE	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 anufacti A A	urer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	67 C H H H A D C U U F D	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	HRS L	1189.0 492.00 -1189.0	490 DE I.D. DO D	BOILER	TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 70 I I I I I I I I I I I I I I I I I I I	THREA OOTAGE AST 24	FUE	# JNTS	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 anufacti A A	urer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	G REM	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	67 C H H H A D C U U F D	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	HRS L	1189.0 492.00 -1189.0	490 DE I.D. DO D	BOILER	TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 70 I I I I I I I I I I I I I I I I I I I	THREA OOTAGE AST 24	FUE	# JNTS # JNTS TOTAL DOTAGE	r SP	M Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	0.0 0.0 anufacti A A	urer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	DEVI/	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	67 	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	HRS L	1189.0 492.00 -1189.0	490 DE I.D. DO D	BOILER	TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 70 I I I I I I I I I I I I I I I I I I I	THREA OOTAGE AST 24	FUE	# JNTS # JNTS TOTAL DOTAGE	r SP	M Line	IN HOLE	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	O.D. ANDS	0.0 0.0 anufacti A A	urer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	DEVI/	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	67 	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	HRS L	1189.0 492.00 -1189.0	490 DE I.D. DO D	BOILER	TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 70 I I I I I I I I I I I I I I I I I I I	THREA OOTAGE AST 24	FUE	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF	IN HOLE	Pump Pump Pump SSEMI	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	O.D.	0.0 0.0 anufacti A A	urer H	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	DEVI/	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	67 	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	HRS L	1189.0 492.00 -1189.0	490 DE I.D. DO D	BOILER	TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 70 I I I I I I I I I I I I I I I I I I I	THREA OOTAGE AST 24	FUE	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	O.D. ANDS	I.D.	LENG	C C C DRII	0.00 0.00 0.00 0.00 LL STRIN	DEVI/	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	67 	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	HRS L	1189.0 492.00 -1189.0	490 DE I.D. DO D	BOILER	TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 70 I I I I I I I I I I I I I I I I I I I	THREA OOTAGE AST 24	FUE	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	O.D. ANDS NGLES	I.D.	LENG	DRIII	DEPTH	DEVI/PTH	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	67 67 H H H A D C U U F D	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	HRS L	1189.0 492.00 -1189.0	490 DE I.D. DO D	BOILER	TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 70 I I I I I I I I I I I I I I I I I I I	THREA OOTAGE AST 24	FUE	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	O.D. ANDS NGLES	O.Comufacti	LENG	DRIII	DEPTH CODE	DEVI/PTH	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	67 67 H H H A D C U U F D	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	HRS L	1189.0 492.00 -1189.0	490 DE I.D. DO D	BOILER	TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 70 I I I I I I I I I I I I I I I I I I I	THREA OOTAGE AST 24	FUE	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	O.D. ANDS IGLES	I.D.	LENG	DD DD	DEPTH CODE	DEVI/PTH	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	67 67 H H H A D C U U F D	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	HRS L	1189.0 492.00 -1189.0	490 DE I.D. DO D	BOILER	TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 70 I I I I I I I I I I I I I I I I I I I	THREA OOTAGE AST 24	FUE	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	I.D.	LENG	DD DD	DEPTH CODE	DEVI/PTH	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	67 67 H H H A D C U U F D	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	HRS L	1189.0 492.00 -1189.0	490 DE I.D. DO D	BOILER	TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 70 I I I I I I I I I I I I I I I I I I I	THREA OOTAGE AST 24	FUE	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	I.D.	LENG	DD DD	DEPTH CODE	DEVI/PTH	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	67 67 H H H A D C U U F D	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	HRS L	1189.0 492.00 -1189.0	490 DE I.D. DO D	BOILER	TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 70 I I I I I I I I I I I I I I I I I I I	THREA OOTAGE AST 24	FUE	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	I.D.	LENG	DD DD	DEPTH CODE	DEVI/PTH	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	67 67 H H H A D C U U F D	SIZE OCATION Co. No. HRS TODA HRS LAST AVERAGE DELIVERE ON Hand Used Toda Used This Fuel Brane DISTRIBUT	/99	HRS L	1189.0 492.00 -1189.0	490 DE I.D. DO D	BOILER	TJ O.D. TODAY WELL BOILER BLOWDG VOLUME CUM.	SPM 70 I I I I I I I I I I I I I I I I I I I	THREA OOTAGE AST 24	FUE	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DF LY DOWN	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9	9IN 9IN REPAIRS	N/A	I.D.	LENG	DD DD	DEPTH CODE	DEVI/PTH	ATION	SURV	EYS

Р	10	NEE	R OII	LFIEL	D SEF	RVICES	S. LI	LC				MO	RNI	NG F	EPOF	?T	DATE 201 0		1	RIG N	O. JOE	TYPE	JO	B NO.		WE	ELL TYPE	
WE	ELLI	NAME VI Veri fi									LEGAL	DESCRIPT		1101		\ 	2010	0111	SPUD I	13 DATE / TIM B-10			DA 49	YS FR SF	PUD	PR	OJECTED	TD
ОР	PER	ATOR			L MIDL	AND)					соинт	Y / PARISH	I				STATE	E	JOB ST	ART DAT			+	YS ON JO	ОВ	ES	ST. RELEA	\SE
RIC	G M	IANAGER				R		ONE NU			OPERA	TORS REP		TATIVE	co	. MAN F			+	SE DATE			WE	EATHER D/SW	IND			
OP	PER	ATIONS @			ARREL		710 0	-10 00				0020							NS NEXT				1-10	<i>Di</i> 0 11				
	Α	ACCIDENT				_								# OF JS/	N's RIG	SAFET	Y DAYS		ETY RAT		G.P.S. N 39. 8	COORDII 797 W	NATES	s 8934			TE / PRES	
FETY	s	SAFETY M			TINANC	F								# STOP C	ARDS LAS	T MEET	ING DATI	Ē				-O-MATIC					ATE / TIMI	
SAF		AST INSP				BY / TITLE			CREW	M/U		EXTRA C	REWS /	WHY?	3/2	77.17		0	FFICE NO	TIFIED	MANHOU 96.00	JRS PAS	T 24		BOP D	DRILL D	ATE / TIMI	E
		URRENT	DEPTH		AGE LAST		ATE	RO	T. HRS	M	AX. GAS	BCKGF	R GAS	CONN. G	AS TRIP G	AS		ASING	SIZE & S	ET DEPT					RIG	G CO	STS	
OPS	Н	919 OOKLOAI	D		PICKUP WE	0.0		ACKOFF	Ŧ		OTATING	<u> </u>	RO	TARY TOP	QUE		9 5/8 NEXT C	ASING	SIZE & S	5320 SET DEPT	Н	\dashv	DAIL	,	S	8 & R	F	RENTAL
	Ti	35 ime			JT Funne			YLD PT	10 S (GEL 10	35 M GEL F	I. Loss	FILT CI	K HTHP	L HTTP	FC		FU		O TO MUE			DAILY		0.00	<u> </u>	0.00	<u> </u>
Q		30 lud Type	9.0		43 % SOLIDS	11 % LCM %		13 D % OI	7 L %	16 H2O	pH		1/32 PF	CALCIUM	I CHLORID		TODAY		MUD CO	CUM. 0	.00		AVER		0.00		0.00	
MUD		alt gel	GES	;	5			 ER TYPE	95	; ·	10.0	.1.25		CREENS	10000		DAILY A		3.00	WATER	90711.	50		JLATIVE LATIVE	0.00		0.00	
	 F	FROM	ТО	HRS	CODE	N	IATI	ONAL				DETAILS		210 ERATIONS	IN SEQUENC	E				HYD			DAYS		49.0		49.0	y / Well)
	70	00 (0715	0.25	21	SAFET						DETAILO	01 01 1	LICATIONO	III OLGOLIIO	_								1: RIG U	P / DOV		(1000)	0.5
			330 1145	1.25 3.25	5 6	P.O.O.I						VERED))											2: DRILL 3: REAM	IING		0.5	351.0 42.25
			1330 1500	1.75 1.5	4	LAY DO	OWN	COR	E														<u>_</u>	4: CORIN		RC	9.5 3.25	110.5 89.5
	1	500 1	1515	0.25	21	SAFET	Y ME	EETIN	G															6: TRIPS 7: LUBRI		*	10.5	215.5
			1630 1715	1.25 0.75	5	TRIP IN																		8: REPA 9: C/O D	IR RIG			28.25 1.5
	17	715 2		5.75	4	CORIN	G FF	ROM 6	859 T														─	10: DEVI	ATION			12.5 70.5
90	2	315 2	2330	0.25	21 4	CORIN	G FF	ROM 6	910 T		9												_	12: RUN 13: WAIT	CSG &	CMNT		21.75 33.5
			0 <u>45</u> 515	1.25 4.5	5 6	CIRCU TRIP O					ORE (60 FT R	ECOV	/ERED)								_	14: NIPP	LE UP	ſ		31.75 7.75
III I			0700	1.75	4										& JARS		-		_	_	_	_		15: TEST	L STEM			2.25
	E																							17: PLUC	EEZE (1.5
	H																							19: FISH 20: DIR.				
	F																										0.75	30.75 21.75
	E																						\exists					5.25
	F																							OTHER				6.75
	L																						_	Total H			24.0	1085.0
(0)	H	BIT#	SIZ	Έ	TYPE	N	IAKE		SEF	RIAL#		NOZZ	ZLES		IN @	Ol	JT @	DF	RILLED	HRS	0.00	CUM. HRS	S		CON	DITION		ROP
BITS	H																				0.00							
BIT	E							Pun	nn 1	Тр	Pump 2	l Pi	umn 3	l F	rump 4		Тту	/PE	STROK	F Mar	0.00		s I a	Total HRS	з Імах	(PSI L	SPR K	(ILL (SPM)
	65		pth	20	GPM	PRESSUR		Pun Liner	np 1 SPM	Line			ump 3		rump 4		1 Q-Z9		STROK 9IN	N/A	0.00 0.00 nufactur		0	Total HRS	S MAX	(PSI K	SPR ill Rate	(ILL (SPM)
PUMPS BIT		859 - 859 - 69	10	25	GPM	PRESSUR	6	Liner		Line 6 6						Pump	1 Q-Z9 2 Q-Z9 3	9			0.00 0.00 nufactur		0	.00 .00 .00	S MAX	(PSI K	SPR ill Rate	CILL (SPM)
PUMPS	69	859 -	10	2! WEIGHT			6	Liner	SPM	Line	80		r SP			Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN	N/A	0.00 0.00 nufactur		0	.00			SPR iii Rate	KILL (SPM)
STRG PUMPS	69	859 - 859 - 69 910 - 69	10		53		6	Liner	SPM	6 6 6	80	M Line	r SP	PM Line	er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN 9IN	N/A	0.00 0.00 nufactur		0	.00 .00 .00			SPR ill Rate	(ILL (SPM)
STRG PUMPS	69	859 - 859 - 69 910 - 69	10		53		6	Liner	SPM	6 6 6	80	M Line	r SP	PM Line	er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3	9	9IN 9IN	N/A	0.00 0.00 nufactur		0	.00 .00 .00			SPR iii Rate	(ILL (SPM)
STRG PUMPS	69	859 - 859 - 69 910 - 69 SIZE	010		53		6	Liner	SPM	6 6 6	80	M Line	r SP	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	B REMA	ARKS		
DRLLSTRG PUMPS	69 	859 - 859 - 69 910 - 69 SIZE OCATION	110		53		6	Liner	SPM	6 6 6	80	M Line	r SP	PM Line	er SPM	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A	0.00 0.00 nufactur		0 0 0 0 DRIL	.00 .00 .00 .00 .L STRING	DEVIA	ARKS	SURV	
DRLLSTRG PUMPS	69 	859 - 859 - 69 910 - 69 SIZE	910 919		53		6	Liner	SPM	6 6 6	80	M Line	r SP	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
STRG PUMPS	69 LC C H H H H H H H H	859 - 859 - 69 910 - 69 SIZE OCATION Co. No.	Y CHGE		53		6	Liner	SPM	6 6 6	80	M Line	r SP	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	69	859 - 859 - 69 910 - 69 SIZE OCATION Co. No. IRS TODA IRS ON W IRS LAST EVERAGE	Y CHGE KVA	WEIGHT	53 GRAD	E I.D.		TJ O.D.	SPM	6 6 6	80 AD	M Line	r SP	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
ENGINES DRLLSTRG PUMPS	69	859 - 859 - 69 910 - 69 SIZE OCATION Co. No. IRS TODA IRS ON W IRS LAST	Y ELL CHGE KVA	WEIGHT	53	E I.D.		Liner	SPM	Line 6 6 6 THREA	80 AD	# JNTS	r SP	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
DRLLSTRG PUMPS	69	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST AVERAGE DELIVERE ON Hand	Y ELL CHGE KVA Well	WEIGHT	53 GRAD	E I.D.	SOILER	TODAY WELL BOILER	SPM	Line 6 6 6 THREA	80 AD	# JNTS	r SP	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	659	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST EVERAGE DELIVERE DELIVERE ON Hand Used Toda Used Toda	Y ELL CHGE KVA ED TODA	WEIGHT	2460.00 -1271.0	E I.D.	BOILER	TODAY WELL BOILER BLOWDOVOLUME	SPM # DWN ES	Line 6 6 7 HRE	SPI	# JNTS	r SP	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	659	859 - 859 - 69 910 - 69 SIZE OCATION Co. No. IRS TODA IRS ON W IRS LAST EVERAGE DELIVERE On Hand Jsed Toda Jsed This	Y ELL CHGE KVA D TODA	WEIGHT	2460.00 -1271.0 -2460.0	E I.D.	BOILER	TODAY WELL BOILER BLOWDO	SPM # DWN ES	Line 6 6 6 THREA	FU	# JNTS	r SP	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	659	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST EVERAGE DELIVERE ON Hand Used Toda	Y ELL CHGE KVA D TODA	WEIGHT	2460.00 -1271.0 -2460.0	E I.D. O O O TOTAL	BOILER	TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM # DWN ES	Line 6 6 7 HREA	FU	# JNTS	r SP	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	659	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST EVERAGE DELIVERE ON Hand Used Toda	Y ELL CHGE KVA D TODA	WEIGHT AY HRS L 24	2460.00 -1271.0 -2460.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM # DWN ES F L	Line 6 6 7 HREA	FU	# JNTS	r SP	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LC Co HI HI HI A D O U U F D	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST EVERAGE DELIVERE ON Hand Used Toda	Y ELL CHGE KVA D TODA	WEIGHT AY HRS L 24	2460.00 -1271.0 -2460.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM # DWN ES F L	Line 6 6 7 HREA	FU	# JNTS # JNTS TOTAL DOTAGE	r SP	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LCC HI HI A DO U U F D	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST EVERAGE DELIVERE ON Hand Used Toda	Y ELL CHGE KVA D TODA	WEIGHT AY HRS L 24	2460.00 -1271.0 -2460.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM # DWN ES F L	Line 6 6 7 HREA	FU	# JNTS # JNTS TOTAL DOTAGE	r SP	PM Line	IN HOLE	Pump Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN	N/A N/A	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LCC HI HI A DO U U F D	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST EVERAGE DELIVERE ON Hand Used Toda	Y ELL CHGE KVA D TODA	WEIGHT AY HRS L 24	2460.00 -1271.0 -2460.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM # DWN ES F L	Line 6 6 7 HREA	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	PM Line	IN HOLE	Pump Pump Pump O	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN STA	O.D.	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 L STRING	DEVIA	ATION	SURV	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LCC HI HI A DO U U F D	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST EVERAGE DELIVERE ON Hand Used Toda	Y ELL CHGE KVA D TODA	WEIGHT AY HRS L 24	2460.00 -1271.0 -2460.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM # DWN ES F L	Line 6 6 7 HREA	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DI LY DOWN	IN HOLE	Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN STA	N/A N/A O.D.	0.00 0.00 nufactur	er HR	0 0 0 0 DRIL	.00 .00 .00 .00 L STRING	DEVIA	ATION	SURV	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LCC HI HI A DO U U F D	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST EVERAGE DELIVERE ON Hand Used Toda	Y ELL CHGE KVA D TODA	WEIGHT AY HRS L 24	2460.00 -1271.0 -2460.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM # DWN ES F L	Line 6 6 7 HREA	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DIF	IN HOLE DRILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN STA	N/A N/A O.D.	0.00 0.00 nufactur	er HR	TH	.00 .00 .00 .00 L STRING	DEVIA	ARKS	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LU CO HI HI HI A DO O U U F D	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST EVERAGE DELIVERE ON Hand Used Toda	Y Y ELL CHGE KVA D TODA TOR	WEIGHT AY HRS L 24	2460.00 -1271.0 -2460.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM # DWN ES F L	Line 6 6 7 HREA	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DIF	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN STA	N/A N/A O.D.	1.D.	er HR	TH D	DEP	DEVIA	ARKS	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LU CO HI HI HI A DO O U U F D	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST AVERAGE DELIVERE DO Hand Used Toda	Y Y ELL CHGE KVA D TODA TOR	WEIGHT AY HRS L 24	2460.00 -1271.0 -2460.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM # DWN ES F L	Line 6 6 7 HREA	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DIF	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN STA	N/A N/A O.D.	1.D.	LENGT	D D D D D D D D D D D D D D D D D D D	DEP	DEVIA	ATION	SURV	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LU CO HI HI HI A DO O U U F D	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST AVERAGE DELIVERE DO Hand Used Toda	Y Y ELL CHGE KVA D TODA TOR	WEIGHT AY HRS L 24	2460.00 -1271.0 -2460.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM # DWN ES F L	Line 6 6 7 HREA	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DIF	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN STA	N/A	I.D. 393.25	ELENGT	D C C	DEP	DEVIA TH DRIL R 38	ATION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LU CO HI HI HI A DO O U U F D	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST AVERAGE DELIVERE DO Hand Used Toda	Y Y ELL CHGE KVA D TODA TOR	WEIGHT AY HRS L 24	2460.00 -1271.0 -2460.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM # DWN ES F L	Line 6 6 7 HREA	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DIF	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN STA	N/A N/A N/A O.D. O.D. NDS GLES FRC 6859 6859	I.D. 393.25	er HR	D C C C	DEP	DEVIA TH DRIL R 38 38	ATION	SURVI	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LU CO HI HI HI A DO O U U F D	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST AVERAGE DELIVERE DO Hand Used Toda	Y Y ELL CHGE KVA D TODA TOR	WEIGHT AY HRS L 24	2460.00 -1271.0 -2460.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM # DWN ES F L	Line 6 6 7 HREA	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DIF	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN STA	N/A N/A N/A O.D. O.D. NDS GLES FRC 6859 6859	I.D. 393.25	er HR	D C C C	DEP	DEVIA TH DRIL R 38 38	ATION	SURVI	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LU CO HI HI HI A DO O U U F D	859 - 859 - 69 910 - 69 SIZE OCATION CO. NO. IRS TODA IRS ON W IRS LAST AVERAGE DELIVERE DO Hand Used Toda	Y Y ELL CHGE KVA D TODA TOR	WEIGHT AY HRS L 24	2460.00 -1271.0 -2460.0	E I.D. O O O TOTAL HRS	BOILER	TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM # DWN ES F L	Line 6 6 7 HREA	FU	# JNTS # JNTS TOTAL DOTAGE	NO.	LENGTH DIF	IN HOLE ORILL P	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4 N RACK	9 9	9IN 9IN STA	N/A N/A N/A O.D. O.D. NDS GLES FRC 6859 6859	I.D. 393.25	er HR	D C C C	DEP	DEVIA TH DRIL R 38 38	ATION	SURVI	EYS

WE AI	ONEER OILF LLNAME OM Verification V ERATOR	Vell #1		LLC		C	LEGAL DE	PARISH		NG RE	PORT	STATE	SPUD D. 09-23	RIG NO 15 ATE / TIM -10 12 ART DATE	1E 2:30	TYPE	DAYS FR S		PROJECTE EST. RELE	D TD
RIG	OM (ARCHER DA MANAGER	NIEL MIDL	RIG		NUMBER	-	Macon OPERATO	RS REPR		ATIVE	CO. MA	IL N PH NO.	09-15	-10 15			58 WEATHER			
OPI	WOOD ERATIONS @ REPORT	TIME	618	3-943-0	<u>)053 </u>		PT HUC	<u> 3HESR</u>	₹				ONS NEXT 2				45D/ S V	VIND		
RI	G REPAIRS ACCIDENTS OR NEA	AR MISSES:								# OF JSA's			g / coreii AFETY RATE		G.P.S. C	OORDIN	ATES	BOP TES	T DATE / PRE	SSURE
ETY	NONE SAFETY MEETING TO								3	# STOP CARD		ETING DATE			CROWN-0		88.8934 CHECKED		0/1100/25 L DATE / TII	
SAF	RIG REPAIRS / LAST INSPECTION	INSPECTION	BY / TITLE		CREW M	1 / U	E	XTRA CR	REWS /	WHY?	9/24A1		OFFICE NO	ΓIFIED	YES MANHOU	RS PAST	24	BOP DRIL	L DATE/TI	ИΕ
	CURRENT DEPTH	FOOTAGE LAST	T 24 PEN. RAT	E I	ROT. HRS	MAX	K. GAS	BCKGR	GAS	CONN. GAS	TRIP GAS		IG SIZE & SE	T DEPTH	96.00	4		RIG (COSTS	
OPS	HOOKLOAD	PICKUP WE		SLACKO	OFF		TATING		ROT	TARY TORQUE		9 5/8 NEXT CASI		5320 ET DEPTH	- 1	-		S &		RENTAL
	Time Mud Wt IN	135		135 YLD	PT 10 S GE	13: EL 10 M		Loss F	ILT CK	HTHP FL	HTTP FC	F	UEL ADDED	TO MUD	ı	D	AILY			
Δ	11 9.0 Mud Type	48 % SOLIDS	13 5 % LCM % SA	20	11	20	10.8	8 1	/32		HLORIDES	TODAY		сим. О.			VERAGE	0.00	0.0	
MUD	salt gel CENTRIFUGES	6	1	AKER TY	94		1.0 .94	l l	1 :		0000	DAILY 571	1.50		96423.0	U	UMULATIVE	0.00	0.0	
		HRS CODE	NA	TIONA			-	SETALL O.	21	0	CUENCE			HYD			AYS	50.0	50	
	700 715 0.2	25 21	safety me	eting			D	ETAILS C	OF OPER	RATIONS IN SE	EQUENCE							REAKDOWN UP / DOWN	(lod	ay / Well) 0.5
	715 930 2.2 930 1245 3.2		slip 60 ft TRIPIN H			RE BA	RRELL										2: DRIL 3: REA			351.0 42.25
	1245 1330 O.	75 8	SLIP 100	FT DR													4: COR		5.75 1.75	116.25 91.25
	1330 1500 1.5 1500 1515 0.5		TRIP IN F		ING												6: TRIP		10.75	226.25
	1515 1715 2.0 1715 2115 4.0		TRIP IN F														8: REP	AIR RIG	5.0	33.25 1.5
	2115 2300 1.	75 5	CONDITIO	ON MU	JD & CIR			CORF	E								10: DE	VIATION		12.5 70.5
90	2300 2315 0.2 2315 0315 4.0		SAFETY P.O.O.H I			VO PUI	P JOIN	ΓS									12: RU	N CSG & CM	INT	21.75
Ĭ	0315 0500 1. 0500 0700 2.0	75 4		VN CO	RE + PIC	CK UP	INNER		EL (6	0 FT REC	OVERED)					14: NIP	PLE UP BO	ĺ	33.5 31.75
TIME	000 0700 2.	0	WORK U	<u> </u>	/INDIVIA I		<u>, топ</u>										15: TES	ST BOP LL STEM TE	ST	7.75
																	_	JGBACK UEEZE CMI	NT	2.25 1.5
																	19: FIS 20: DIR	HING . WORK		
																			0.75	31.5 21.75
																	-			5.25
																	OTHEI Total		24.0	6.75 1109.0
	BIT# SIZE	TYPE	MAP	Œ	SERI	IAL#		NOZZL	LES		IN @	OUT @	DRILLED	HRS	0.00	JM. HRS		CONDIT	ION	ROP
BITS															0.00					
															0.00					
Sc	Depth	GРM	PRESSURE	Line	or SPM	Pur Liner	mp 2 SPM	Pur Liner	mp 3 SPN	Pump I Liner		TYPE np 1 Q-Z9	STROKE 9IN	Man N/A	ufacture	r HRS	Total HF	MAX PS	SPR Kill Rate	KILL (SPM)
PUMPS	6919 - 6979	223		6		6	75					np 2 Q-Z9	9IN	N/A			0.00			
											Pur	np 4					0.00			
STRG	SIZE WEI	IGHT GRAD	DE I.D.	TJO).D	THREAD	#	# JNTS	L	ENGTH I	N HOLE	ON RACK	REPAIRS				DRILL STRIN	IG REMARK	<u>s</u>	
DRLL				 																
(0	LOCATION Co. No.																			
ENGINES	HRS TODAY								NO.	DRILL	ING ASSE	MBLY (BHA)	O.D.	I.D.	LENGTH			ON SUR	
ING.									NO.	DRILL	ING ASSE	MBLY (BHA)	O.D.	I.D.	LENGTH	l DEI		ON SUR	/EYS AZM
-	HRS ON WELL HRS LAST CHGE								NO.	DRILL	ING ASSE	MBLY (BHA)	O.D.	I.D.	LENGTH			-	
	HRS LAST CHGE AVERAGE KVA								NO.	DRILL	ING ASSE	MBLY (BHA)	O.D.	I.D.	LENGTH			-	
	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand	2009.0	10	TODA		OURS	FUEL	USED	NO.	DRILL	ING ASSE	MBLY (BHA)	O.D.	I.D.	LENGTH			-	
	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY	2009.00 451.00 -2009.0		WELL	L	DURS	FUEL	USED	NO.	DRILL	ING ASSE	MBLY (BHA)	O.D.	I.D.	LENGTH			-	
RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today	451.00	Ū ū	WELL BOILE BLOW	L ER #	DURS	FUEL	USED	NO.	DRILL	ING ASSE	MBLY (BHA)	O.D.	I.D.	LENGTH			-	
RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	451.00 -2009.0	TOTAL	WELL BOILE BLOW VOLU	L ER # WDOWN JMES	OOTAGE	тот	TAL	NO.	DRILL	ING ASSE	MBLY (BHA		O.D.	I.D.	LENGTH			-	
RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	451.00 -2009.0	TOTAL	WELL BOILE BLOW VOLU	L ER # WDOWN JMES		тот		NO.	DRILL	ING ASSE	MBLY (BHA		O.D.	I.D.	LENGTH			-	
<u> </u>	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	451.00 -2009.0	TOTAL HRS	WELL BOILE BLOW VOLU	ER # WDOWN JMES I. FO	OOTAGE AST 24	TOT FOO	TAL TAGE	NO.	DRILL	ING ASSE	MBLY (BHA		O.D.	I.D.	LENGTH			-	
MUD MTR RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	451.00 -2009.0	TOTAL HRS	WELL BOILE BLOW VOLU	L ER # WDOWN JMES	OOTAGE AST 24	TOT FOO	TAL	NO.	DRILL	ING ASSE	MBLY (BHA		O.D.	I.D.	LENGTH			-	
MUD MTR RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	451.00 -2009.0	TOTAL HRS	WELL BOILE BLOW VOLU	ER # WDOWN JMES I. FO	OOTAGE AST 24	TOT FOO	TAL TAGE	NO.	DRILL	ING ASSE	MBLY (BHA			I.D.	LENGTH		PTH	-	
ITEMS MUD MTR RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	451.00 -2009.0	TOTAL HRS	WELL BOILE BLOW VOLU	ER # WDOWN JMES I. FO	OOTAGE AST 24	TOT FOO	TAL TAGE		DF	RILL PIPE) STAN	NDS	I.D.	LENGTH		PTH	INCL	
ITEMS MUD MTR RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	451.00 -2009.0	TOTAL HRS	WELL BOILE BLOW VOLU	ER # WDOWN JMES I. FO	OOTAGE AST 24	TOT FOO	TAL TAGE		DF			STAN	NDS	I.D.	LENGTH		PTH	INCL	
MUD MTR RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	451.00 -2009.0	TOTAL HRS	WELL BOILE BLOW VOLU	ER # WDOWN JMES I. FO	OOTAGE AST 24	TOT FOO	TAL TAGE	KELLY	DF DOWN	RILL PIPE		STAN	NDS		LENGTH		PTH	INCL	
ITEMS MUD MTR RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	451.00 -2009.0	TOTAL HRS	WELL BOILE BLOW VOLU	ER # WDOWN JMES I. FO	OOTAGE AST 24	TOT FOO	TAL TAGE	KELLY	DF	RILL PIPE		STAN	IDS LES	393.25		DEI	DRILLI	ECTIONS TO	AZM
RENTAL ITEMS MUD MTR RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	451.00 -2009.0	TOTAL HRS	WELL BOILE BLOW VOLU	ER # WDOWN JMES I. FO	OOTAGE AST 24	TOT FOO	TAL TAGE	KELLY	DF DOWN	RILL PIPE		STAN	NDS	393.25	TO 79	DEI	DIRE	ECTIONS TO	
RENTAL ITEMS MUD MTR RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	451.00 -2009.0	TOTAL HRS	WELL BOILE BLOW VOLU	ER # WDOWN JMES I. FO	OOTAGE AST 24	TOT FOO	TAL TAGE	KELLY	DF DOWN	RILL PIPE		STAN	IDS LES	393.25	TO	DEI	DRILLI	ECTIONS TO	AZM
RENTAL ITEMS MUD MTR RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	451.00 -2009.0	TOTAL HRS	WELL BOILE BLOW VOLU	ER # WDOWN JMES I. FO	OOTAGE AST 24	TOT FOO	TAL TAGE	KELLY	DF DOWN	RILL PIPE		STAN	IDS LES	393.25	TO	DEI	DRILLI	ECTIONS TO	AZM
RENTAL ITEMS MUD MTR RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	451.00 -2009.0	TOTAL HRS	WELL BOILE BLOW VOLU	ER # WDOWN JMES I. FO	OOTAGE AST 24	TOT FOO	TAL TAGE	KELLY	DF DOWN	RILL PIPE		STAN	IDS LES	393.25	TO	DEI	DRILLI	ECTIONS TO	AZM
ITEMS MUD MTR RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	451.00 -2009.0	TOTAL HRS	WELL BOILE BLOW VOLU	ER # WDOWN JMES I. FO	OOTAGE AST 24	TOT FOO	TAL TAGE	KELLY	DF DOWN	RILL PIPE		STAN	IDS LES	393.25	TO	DEI	DRILLI	ECTIONS TO	AZM
RENTAL ITEMS MUD MTR RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	451.00 -2009.0	TOTAL HRS	WELL BOILE BLOW VOLU	ER # WDOWN JMES I. FO	OOTAGE AST 24	TOT FOO	TAL TAGE	KELLY	DF DOWN	RILL PIPE		STAN	IDS LES	393.25	TO	DEI	DRILLI	ECTIONS TO	AZM

WE A[ONEER OIL LLNAME OM Verification ERATOR	n Well #1	· ·	<u>.c</u>		COUNT	. DESCRIPTION		NG R	EPOR	S S	ATE 201011	SPUD DA 09-23-	10 12 RT DATE	1E 2:30	З ТҮРЕ	DA 51	YS ON JO	UD	WELL TYPE PROJECTE	O TD
RIG	MANAGER	DANIEL MIDL	RIG PH	ONE NUME			ATORS REPR		ATIVE	CO.	MAN PH N		09-15-					EATHER	ND		
OPE	WOOD ERATIONS @ REPORT			43-0053		<u> PI </u>	IUGHESF	Κ			9	OPERATION IN COMME	ONS NEXT 24 g / corein	4 HRS			45	D/SWI	אט		
lay	ACCIDENTS OR N		noie						# OF JSA		AFETY DA		FETY RATE		G.P.S.	COORDI	NATE:	S	BOP TEST I	DATE / PRE	SSURE
ЕТҮ	none SAFETY MEETING								# STOP C/		MEETING	DATE			CROWN	796 W -o-matic			10/29/10/ BOP DRILL		
SAFI	tripping / core		BY / TITLE	CR	EW M/U		EXTRA CF	REWS /	WHY?	9/24	AT700	(OFFICE NOT	IFIED		URS PAS	T 24		BOP DRILL	DATE / TIM	IE .
	CURRENT DEPTH	FOOTAGE LAST	Γ 24 PEN. RATE	ROT. H	IPS I	MAX. GAS	BCKGR	GAS	CONN. GA	AS TRIP GA	S 1 1 A S	ST CASIN	G SIZE & SE		96.00	_			RIG C	оете	
OPS	7039	60 PICKUP WI	0.0								9 5	5/8		5320					S&R		RENTAL
0	155	155	15			155			TARY TOR	QUE	NE)	XI CASIN	G SIZE & SE	I DEPIR	1		DAILY	r			
	Time Mud Wt 7 9.1	IN / OUT Funn			10 S GEL 10			FILT CK 1/32	HTHP F	L HTTP FO	TOD		JEL ADDED C	то мир им. 0 .			AVER	RAGE	0.00	0.0	0
MUD	Mud Type salt gel	% SOLIDS	6 % LCM	% OIL	% H2O	рН 10.0			CALCIUM 20	CHLORIDES 11200		LY 341	MUD COS 8.00 C		99841.	.00	СПМГ	JLATIVE	0.00	0.0	0
_	CENTRIFUGES	Ţ,	SHAKE	TYPE					REENS		CHA	ANGED		WATER S	OURCE		CUMU	ILATIVE	51.0	51.	0
	FROM TO	HRS CODE					DETAILS	_		N SEQUENCE								TIME BRE	AKDOWN	(Toda	y / Well)
	1 1	0.25 21 4.75 22	safety meet wait on clut															1: RIG UF 2: DRILLI			0.5 351.0
	1200 1415	2.25 8	PUT NEW C	CLUTCH			ATIC										#_	3: REAMI		6.0	42.25 122.25
		0.25 4 0.5 6	PICK UP JA				 :LL										-	5: COND.		1.5	92.75
		0.25 21	SAFETY ME														<u> </u>	6: TRIPS 7: LUBRIO	CATE RIG	8.75	230.75
	1515 1915 1915 2300	4.0 6 3.75 4	TRIP IN HOI				10 69/9										11-	8: REPAI		2.25	35.5 1.5
	2300 2315 2315 0115		SAFETY ME	ETING														10: DEVI			12.5 70.5
90	0115 0245	1.5 5	CONDITION															12: RUN (CSG & CMN		21.75 33.5
	0245 0700	4.25 6	P.O.O.H LA	Y DOW	N TWO J	<u>JOINTS</u>	OF DP A	ND 2	PUP JO	DINTS							\dashv	14: NIPPI	ON CEMENT		31.75
TIME																			STEM TEST		7.75
																		17: PLUG 18: SQUE	BACK EZE CMNT		2.25 1.5
																		19: FISHI 20: DIR. V			
																	-	20. 211(1.		0.75 4.75	32.25 26.5
																				4.73	5.25
																		OTHER Total Ho	oure	0.0	6.75 1128.75
	BIT# SIZE	TYPE	MAKE		SERIAL#		NOZZ	LES		IN @	OUT @) <u> </u>	RILLED	HRS		CUM. HR		Total III	CONDITIO	•	ROP
BITS															0.00						
8															0.00						
()	Depth	GPM	PRESSURE	Pump		Pump 2		ımp 3		ump 4		TYPE	STROKE		ufactur				MAX PSI	SPR Kill Rate	KILL (SPM)
PUMPS	6979 - 7039		6		SPM Lir	ner SP	M Liner	SPN	/ Line		Pump 1 C		9IN 9IN	N/A N/A			0	.00			
PL		255	705 6	;	6	81	_				Pump 3							.00			
STRG	SIZE W	VEIGHT GRAD	DE I.D.	TJ O.D.	THRE	EAD	# JNTS	L	ENGTH	IN HOLE	ON RA	ACK	REPAIRS				DRIL	L STRING	REMARKS		
DRLL																					
	LOCATION					ļ	1														EVS
ES	Co. No.					$\overline{}$		NO.	DR	ILLING AS	SEMBLY	(BHA)	O.D.	I.D.	LENG1	ГΗ	D	EVIATIO	N SURV	
ENGINES	HRS TODAY HRS ON WELL							NO.	DR	ILLING AS	SEMBLY	(ВНА)	O.D.	I.D.	LENGT	ГΗ	D DEPT		N SURV	AZM
Ш								NO.	DR	ILLING AS	SEMBLY	(ВНА)	O.D.	I.D.	LENG1	ТН				
	HRS LAST CHGE AVERAGE KVA							NO.	DR	ILLING AS	SEMBLY	(ВНА)	O.D.	I.D.	LENG	ТН				
	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY				Hours	FU	JEL USED	NO.	DR	ILLING ASS	SEMBLY	(ВНА)	O.D.	I.D.	LENG	ТН				
UEL	HRS LAST CHGE AVERAGE KVA	2706.0		TODAY	HOURS	FU	EL USED	NO.	DR	ILLING AS	SEMBLY	(BHA)	O.D.	I.D.	LENGT	TH				
IG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well			WELL BOILER #		FU	EL USED	NO.	DR	ILLING ASS	SEMBLY	(BHA)	O.D.	I.D.	LENGT	TH				
RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today	2706.0 -697.00	BOILER	WELL		FU	EL USED	NO.	DR	ILLING ASS	SEMBLY	(BHA		O.D.	I.D.	LENGT	TH				
	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand	2706.0 -697.00	TOTAL OF	WELL BOILER #		GE .	JEL USED TOTAL GOOTAGE	NO.	DR	ILLING ASS	SEMBLY	(BHA		O.D.	I.D.	LENGT	TH				
	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	2706.0 -697.00 -2706.0	TOTAL OF	WELL BOILER # BLOWDOW VOLUMES CUM.	'N FOOTAG	GE .	TOTAL	NO.	DR	ILLING ASS	SEMBLY	(BHA		O.D.	I.D.	LENGT	TH				
MUD MTR RIG FUEL	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	2706.0 -697.00 -2706.0 HRS LAST 24	TOTAL WE	WELL BOILER # BLOWDOW VOLUMES CUM.	FOOTAG LAST 2	GE 24 F	TOTAL COOTAGE	NO.	DR	ILLING ASS	SEMBLY	(BHA		O.D.	I.D.	LENGT	TH				
MUD MTR	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	2706.0 -697.00 -2706.0	TOTAL WE	WELL BOILER # BLOWDOW VOLUMES CUM.	'N FOOTAG	GE .	TOTAL	NO.	DR	ILLING ASS	SEMBLY	(BHA		O.D.	I.D.	LENGT	TH				
MUD MTR	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	2706.0 -697.00 -2706.0 HRS LAST 24	TOTAL WE	WELL BOILER # BLOWDOW VOLUMES CUM.	FOOTAG LAST 2	GE 24 F	TOTAL COOTAGE	NO.	DR	ILLING ASS	SEMBLY	(BHA			I.D.	LENGT	TH		TH IN		
ITEMS MUD MTR	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	2706.0 -697.00 -2706.0 HRS LAST 24	TOTAL WE	WELL BOILER # BLOWDOW VOLUMES CUM.	FOOTAG LAST 2	GE 24 F	TOTAL COOTAGE			DRILL PI		(BHA	STAN	DS	I.D.	LENGT	TH		TH IN	NCL	
ITEMS MUD MTR	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	2706.0 -697.00 -2706.0 HRS LAST 24	TOTAL WE	WELL BOILER # BLOWDOW VOLUMES CUM.	FOOTAG LAST 2	GE 24 F	TOTAL COOTAGE		/ DOWN			(BHA	STAN	DS	I.D.	LENGT	TH		TH IN	NCL	
MUD MTR	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	2706.0 -697.00 -2706.0 HRS LAST 24	TOTAL WE	WELL BOILER # BLOWDOW VOLUMES CUM.	FOOTAG LAST 2	GE 24 F	TOTAL COOTAGE	KELLY	/ DOWN	DRILL PI	PE	(BHA	STAN	DS			TH		TH IN	NCL	
ITEMS MUD MTR	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR	2706.0 -697.00 -2706.0 HRS LAST 24	TOTAL WE	WELL BOILER # BLOWDOW VOLUMES CUM.	FOOTAG LAST 2	GE 24 F	TOTAL COOTAGE	KELLY	/ DOWN	DRILL PI	PE	(BHA	STAN	DS	I.D.			EPTH	DRILLE	TIONS TO	
RENTAL ITEMS MUD MTR	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	2706.0 -697.00 -2706.0 HRS LAST 24	TOTAL WE	WELL BOILER # BLOWDOW VOLUMES CUM.	FOOTAG LAST 2	GE 24 F	TOTAL COOTAGE	KELLY	/ DOWN	DRILL PI	PE	(BHA	STAN	DS _ES	393.2	5 TO		DEPT EPTH CODE	DIREC	TIONS TO	
RENTAL ITEMS MUD MTR	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	2706.0 -697.00 -2706.0 HRS LAST 24	TOTAL WE	WELL BOILER # BLOWDOW VOLUMES CUM.	FOOTAG LAST 2	GE 24 F	TOTAL COOTAGE	KELLY	/ DOWN	DRILL PI	PE	(BHA	STAN	DS _ES	393.2	5		DEPT EPTH CODE	DRILLEI	TIONS TO	AZM
RENTAL ITEMS MUD MTR	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	2706.0 -697.00 -2706.0 HRS LAST 24	TOTAL WE	WELL BOILER # BLOWDOW VOLUMES CUM.	FOOTAG LAST 2	GE 24 F	TOTAL COOTAGE	KELLY	/ DOWN	DRILL PI	PE	(BHA	STAN	DS _ES	393.2	5 TO		DEPT EPTH CODE	DRILLEI	TIONS TO	AZM
RENTAL ITEMS MUD MTR	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	2706.0 -697.00 -2706.0 HRS LAST 24	TOTAL WE	WELL BOILER # BLOWDOW VOLUMES CUM.	FOOTAG LAST 2	GE 24 F	TOTAL COOTAGE	KELLY	/ DOWN	DRILL PI	PE	(BHA	STAN	DS _ES	393.2	5 TO		DEPT EPTH CODE	DRILLEI	TIONS TO	AZM
RENTAL ITEMS MUD MTR	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	2706.0 -697.00 -2706.0 HRS LAST 24	TOTAL WE	WELL BOILER # BLOWDOW VOLUMES CUM.	FOOTAG LAST 2	GE 24 F	TOTAL COOTAGE	KELLY	/ DOWN	DRILL PI	PE	(BHA	STAN	DS _ES	393.2	5 TO		DEPT EPTH CODE	DRILLEI	TIONS TO	AZM
ITEMS MUD MTR	HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand Used Today Used This Well Fuel Brand DISTRIBUTOR SERIAL #	2706.0 -697.00 -2706.0 HRS LAST 24	TOTAL WE	WELL BOILER # BLOWDOW VOLUMES CUM.	FOOTAG LAST 2	GE 24 F	TOTAL COOTAGE	KELLY	/ DOWN	DRILL PI	PE	(BHA	STAN	DS _ES	393.2	5 TO		DEPT EPTH CODE	DRILLEI	TIONS TO	AZM

WEL AC	LNAME OM Veri	ficatio	n Well	#1	RVICES	LL	_C		COUN	L DESCRIPTI	ION	NG R	EPOR	STA	TE 10111 ATE	SPUD D 09-23	RIG NO 15 ATE / TIM -10 12 ART DATE	E 2:30		DAYS FR S DAYS ON J		PRO	DJECTED	
RIG W	MANAGE WOOD	R)		L MIDL	RIC		one nu 43-00			on ATORS REPI HUGHES		TATIVE	CO.	MAN PH NO.	ERATIC	_	-10 15			60 WEATHER 35D/ S W	/IND			
	ping ir	n hole										# OF JSA	's RIG S		pping	& drill	ing	G.P.S. Co	OBDINA	TES	BOP T	FST DAT	E / PRESS	SURF
ĭ	none											# STOP CA	53	MEETING DA			l	N 39.879	96 W -8	8.8934	10/29	/10/11	00/250 TE / TIME	PSIG
SAFE	tripping	g / mal	keing c		BY / TITLE			CREW M/U		EXTRA C	REWS /			AT700		OFFICE NO	•	YES MANHOUR					TE / TIME	
																	9	96.00	017012					
	CURRENT	DEPTH	0	AGE LAST	24 PEN. RA 0.0	TE	RO	T. HRS	MAX. GAS	BCKGR	GAS	CONN. GA	S TRIP GA	s LAST 13 3		G SIZE & SI	ET DEPTH 350	_			_	6 COS		ENTAL
	ноокьо <i>й</i> 155	AD		1CKUP WE	IGHT	SL/ 155	ACKOFF	F	ROTATIN 155	IG	RO	TARY TOR	QUE	NEXT	CASIN	G SIZE & SI	ET DEPTH	1	DA	JILY				
	Time 7	Mud W	/t IN / OL	Funne	el Vis PV		YLD PT	10 S GEL 1	0 M GEL	FI. Loss	FILT C	(HTHP F	L HTTP FO	TODA		JEL ADDED	то мир сим. 0.		AV	'ERAGE	0.00		0.00)
	Mud Type			% SOLIDS		SAND	% O		pH	1	PF 35		CHLORIDES	3		MUD CO	STS		CU	IMULATIVE	0.00		0.00)
Σ	Salt gel	UGES	[(6			R TYPE		10.0	.95 .3	SC	REENS	11200	CHAN	2128		WATER S	01969.50 OURCE	CU	MULATIVE	52.0		52.0	
	FROM	ТО	HRS	CODE	N	ATIC	ONAL			DETAILS	_	110	N SEQUENCE				HYD		DA	YS TIME BR				/ Well)
-	700	715	0.25	21	safety m															1: RIG U	JP / DOW		(Follow)	0.5
-	715 915	915 1330	2.0 4.25	6	1			ore/ pick u core barr		barrells/	jars	60 ft re	covered)		_		_		_	2: DRILI 3: REAM				351.0 42.25
	1330	1500	1.5	5	kelly up	was	sh 40	ft to botto		rc		_								4: CORI 5: CONI			10.75 1.5	133.0 94.25
		1515 2145	0.25 6.5	21 4	safety m			39 to 7069												6: TRIPS	3	•	11.0	239.25
	2145	2300	1.25	6	TRIP ou	t of	hole	w/ core ba	rrel lay	down 1	single	and a p	ир							7: LUBR 8: REPA	AIR RIG			35.5
-			0.25 3.0	21 6	SAFETY P.O.O.H		== I IN	<u> </u>												9: C/O D		NE		1.5 12.5
	0215	0430	2.25	4	LAYDO\		CORE	28 FT 5IN	IRECO	VERY LA	Y DO	WN CO	RE BARRE	L						11: WIR 12: RUN				70.5 21.75
اۆ	0430	0700	2.5	6	T.I.H															13: WAI	T ON CE	MENT		33.5 31.75
TIME LOG																				14: NIPI 15: TES	Т ВОР			7.75
																				16: DRIL 17: PLU		ſ		2.25
-																				18: SQL 19: FISH		CMNT		1.5
ŀ																				20: DIR.			0.75	33.0
																							J.75	26.5
-																				1				5.25
-																								
-																				OTHER Total H		2	24	6.75 1150.25
	BIT#	SIZ	Έ	TYPE	MA	KE		SERIAL #	!	NOZZ	ZLES		IN @	OUT @	D	RILLED	HRS	0.00	M. HRS		CONI	DITION		ROP
m L																								
Ë																		0.00						
BITS																		0.00						
	D	epth		GPM	PRESSURE	F	Pun		Pump 2		ımp 3		ump 4		ТҮРЕ	STROKE			HRS	Total HR	S MAX	PSI Kil	SPR I Rate KI	LL (SPM)
	D 7039 -	epth		GPM	PRESSURE	6	Liner	T i		Pu PM Line			r SPM I	Pump 1 Q-	Z 9	STROKE 9IN 9IN	Man N/A N/A	0.00 0.00 ufacturer	HRS	Total HR: 0.00	S MAX	PSI Kii	SPR I Rate KI	LL (SPM)
		epth	25		PRESSURE		Liner	SPM Li		PM Line			r SPM	Pump 1 Q- Pump 2 Q- Pump 3	Z 9	9IN	N/A	0.00 0.00 ufacturer	HRS	0.00 0.00 0.00	S MAX	PSI Kii	SPR KI	ILL (SPM)
PUMPS			25 WEIGHT		694	6	Liner	SPM Li 6 6	ner S	PM Line	r SP		r SPM	Pump 1 Q- Pump 2 Q-	Z9 Z9	9IN	N/A	0.00 0.00 ufacturer		0.00			SPR KI	ILL (SPM)
PUMPS	7039 -			52	694	6	Liner	SPM Li 6 6	ner S	PM Line	r SP	M Line	r SPM	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4	Z9 Z9	9IN 9IN	N/A	0.00 0.00 ufacturer		0.00 0.00 0.00 0.00			SPR KI	ILL (SPM)
-STRG PUMPS	7039 -			52	694	6	Liner	SPM Li 6 6	ner S	PM Line	r SP	M Line	r SPM	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4	Z9 Z9	9IN 9IN	N/A	0.00 0.00 ufacturer		0.00 0.00 0.00 0.00			SPR I Rate KI	ILL (SPM)
PUMPS	7039 - SIZE			52	694	6	Liner	SPM Li 6 6	ner S	PM Line	r SP	M Line	r SPM	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4	Z9 Z9	9IN 9IN	N/A	0.00 0.00 ufacturer		0.00 0.00 0.00 0.00 RILL STRING	G REMA	IRKS		
S DRLLSTRG PUMPS	7039 -			52	694	6	Liner	SPM Li 6 6	ner S	PM Line	r SP	M Line	r SPM	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN REPAIRS	N/A	0.00 0.00 ufacturer		0.00 0.00 0.00 0.00 RILL STRING	G REMA	TION	SURVE	EYS
S DRLLSTRG PUMPS	7039 - SIZE LOCATIO Co. No. HRS TOD	N AY		52	694	6	Liner	SPM Li 6 6	ner S	PM Line	r SP	M Line	IN HOLE	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	G REMA	IRKS	SURVE	
NGINES DRLLSTRG PUMPS	7039 - SIZE LOCATIO Co. No.	N AY WELL		52	694	6	Liner	SPM Li 6 6	ner S	PM Line	r SP	M Line	IN HOLE	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	G REMA	TION	SURVE	EYS
ENGINES DRLLSTRG PUMPS	Co. No. HRS TOD HRS LAS	N AY WELL T CHGE E KVA	WEIGHT	52	694	6	Liner	SPM Li 6 6	ner S	PM Line	r SP	M Line	IN HOLE	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	G REMA	TION	SURVE	EYS
ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V	N AY WELL T CHGE E KVA	WEIGHT	GRAD	694 E I.D.	1	Liner	SPM Li 6 6	80 EAD	PM Line	r SP	M Line	IN HOLE	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	G REMA	TION	SURVE	EYS
FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD. HRS LAS AVERAG DELIVER On Hand Used Too	N WELL T CHGE E KVA	WEIGHT	GRAD 2255.00 451.00	694 E I.D.		TJ O.D	SPM Li 6 6 . THR	80 EAD	# JNTS	r SP	M Line	IN HOLE	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	G REMA	TION	SURVE	EYS
G FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS LAS AVERAG DELIVER On Hand	N AY WELL T CHGE E KVA ED TODA day ss Well	WEIGHT	GRAD 2255.00	694 E I.D.	SOILER 99	TJ O.D	SPM Li 6 6 . THR HOURS	80 EAD	# JNTS	r SP	M Line	IN HOLE	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	G REMA	TION	SURVE	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi	N WELL T CHGE E KVA ED TODA day is Well and	WEIGHT	2255.00 451.00 -2255.0	694 E I.D.	BOILER BOILER	TJ O.D TODAY WELL BOILER BLOWDO	SPM Li 6 6 6 HOURS # OWN ES	BAD S FI	# JNTS	r SP	M Line	IN HOLE	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	G REMA	TION	SURVE	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON V HRS LAS' AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai	N AY WELL T CHGE E KVA day day is Well nd JTOR	WEIGHT	2255.00 451.00 -2255.0	694 E I.D.	BOILER	TJ O.D TODAY WELL BOILER BLOWD	SPM Li 6 6 6 THR HOURS # OWN ES	BAD SEAD SEAD SEAD SEAD SEAD SEAD SEAD SE	# JNTS	r SP	M Line	IN HOLE	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	G REMA	TION	SURVE	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai	N AY WELL T CHGE E KVA day day is Well nd JTOR	WEIGHT	2255.00 451.00 -2255.0	E I.D.	BOILER	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 6 THR HOURS # OWN ES	BAD SEAD SEAD SEAD SEAD SEAD SEAD SEAD SE	# JNTS	r SP	M Line	IN HOLE	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	G REMA	TION	SURVE	EYS
RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai	N AY WELL T CHGE E KVA day day is Well nd JTOR	WEIGHT AY HRS L 24	2255.00 451.00 -2255.0	E I.D. O TOTAL HRS	BOILER	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 6 THR HOURS # OWN ES	BAD SEAD SEAD SEAD SEAD SEAD SEAD SEAD SE	# JNTS	r SP	M Line	IN HOLE	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	G REMA	TION	SURVE	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai	N AY WELL T CHGE E KVA day day is Well nd JTOR	WEIGHT AY HRS L 24	2255.00 451.00 -2255.0	E I.D. O TOTAL HRS	BOILER	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 6 THR HOURS # OWN ES FOOTA LAST:	BAD GEAD GEAD	# JNTS # JNTS UEL USED TOTAL FOOTAGE	r SP	M Line	IN HOLE	Pump 1 Q- Pump 2 Q- Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	G REMA	TION	SURVE	EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai	N AY WELL T CHGE E KVA day day is Well nd JTOR	WEIGHT AY HRS L 24	2255.00 451.00 -2255.0	E I.D. O TOTAL HRS	BOILER	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 6 THR HOURS # OWN ES FOOTA LAST:	BAD GEAD GEAD	# JNTS # JNTS UEL USED TOTAL FOOTAGE	r SP	M Line	ILLING AS	Pump 1 Q-Pump 2 Q-Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN PREPAIRS	O.D.	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	DEVIA PTH	TION	SURVE	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai	N AY WELL T CHGE E KVA day day is Well nd JTOR	WEIGHT AY HRS L 24	2255.00 451.00 -2255.0	E I.D. O TOTAL HRS	BOILER	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 6 THR HOURS # OWN ES FOOTA LAST:	BAD GEAD GEAD	# JNTS # JNTS UEL USED TOTAL FOOTAGE	NO.	M Line DR	IN HOLE	Pump 1 Q-Pump 2 Q-Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN REPAIRS	N/A N/A	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	DEVIA PTH	ATION :	SURVE	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai	N AY WELL T CHGE E KVA day day is Well nd JTOR	WEIGHT AY HRS L 24	2255.00 451.00 -2255.0	E I.D. O TOTAL HRS	BOILER	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 6 THR HOURS # OWN ES FOOTA LAST:	BAD GEAD GEAD	# JNTS # JNTS UEL USED TOTAL FOOTAGE	NO.	M Line DR PR PR PR PR PR PR PR PR PR	ILLING AS	Pump 1 Q-Pump 2 Q-Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN PREPAIRS	N/A N/A	0.00 0.00 ufacturer	Di	0.00 0.00 0.00 0.00 RILL STRING	DEVIA PTH	ATION :	SURVE	EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai	N AY WELL T CHGE E KVA day day is Well nd JTOR	WEIGHT AY HRS L 24	2255.00 451.00 -2255.0	E I.D. O TOTAL HRS	BOILER	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 6 THR HOURS # OWN ES FOOTA LAST:	BAD GEAD GEAD	# JNTS # JNTS UEL USED TOTAL FOOTAGE	NO. KELL TOTA WT 0	M Line DR DR PR PR PR PR PR PR PR PR	ILLING ASS	Pump 1 Q-Pump 2 Q-Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN PREPAIRS	N/A N/A	I.D.	Di	0.00 0.00 0.00 0.00 RILL STRING	DEVIA PTH	ATION :	SURVE	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai	N AY WELL T CHGE E KVA ED TODA day is Well and JTOR	WEIGHT AY HRS L 24	2255.00 451.00 -2255.0	E I.D. O TOTAL HRS	BOILER	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 6 THR HOURS # OWN ES FOOTA LAST:	BAD GEAD GEAD	# JNTS # JNTS UEL USED TOTAL FOOTAGE	NO. KELL TOTA WT 0	M Line DR DR PR PR PR PR PR PR PR PR	ILLING ASS	Pump 1 Q-Pump 2 Q-Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN PREPAIRS	N/A N/A	1.D.	LENGTH	0.00 0.00 0.00 0.00 DEPTH	DEVIA PTH D	ATION	SURVE	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai DISTRIBU SERIA	N AY WELL T CHGE E KVA ED TODA day is Well and JTOR	WEIGHT AY HRS L 24	2255.00 451.00 -2255.0	E I.D. O TOTAL HRS	BOILER	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 6 THR HOURS # OWN ES FOOTA LAST:	BAD GEAD GEAD	# JNTS # JNTS UEL USED TOTAL FOOTAGE	NO. KELL TOTA WT 0	M Line DR DR PR PR PR PR PR PR PR PR	ILLING ASS	Pump 1 Q-Pump 2 Q-Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN PREPAIRS	N/A N/A	1.D.	LENGTH	0.00 0.00 0.00 0.00 RILL STRIN	DEVIA PTH D	INCI	SURVE	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai DISTRIBU SERIA	N AY WELL T CHGE E KVA ED TODA day is Well and JTOR	WEIGHT AY HRS L 24	2255.00 451.00 -2255.0	E I.D. O TOTAL HRS	BOILER 99	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 6 THR HOURS # OWN ES FOOTA LAST:	BAD GEAD GEAD	# JNTS # JNTS UEL USED TOTAL FOOTAGE	NO. KELL TOTA WT 0	M Line DR DR PR PR PR PR PR PR PR PR	ILLING ASS	Pump 1 Q-Pump 2 Q-Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN PREPAIRS	N/A N/A	1.D.	LENGTH	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEVIA PTH D	ATION	SURVE	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai DISTRIBU SERIA	N AY WELL T CHGE E KVA ED TODA day is Well and JTOR	WEIGHT AY HRS L 24	2255.00 451.00 -2255.0	E I.D. O TOTAL HRS	BOILER 99	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 6 THR HOURS # OWN ES FOOTA LAST:	BAD GEAD GEAD	# JNTS # JNTS UEL USED TOTAL FOOTAGE	NO. KELL TOTA WT 0	M Line DR DR PR PR PR PR PR PR PR PR	ILLING ASS	Pump 1 Q-Pump 2 Q-Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN PREPAIRS	N/A N/A	1.D.	LENGTH	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEVIA PTH D	ATION	SURVE	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai DISTRIBU SERIA	N AY WELL T CHGE E KVA ED TODA day is Well and JTOR	WEIGHT AY HRS L 24	2255.00 451.00 -2255.0	E I.D. O TOTAL HRS	BOILER 99	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BAD GEAD GEAD	# JNTS # JNTS UEL USED TOTAL FOOTAGE	NO. KELL TOTA WT 0	M Line DR DR PR PR PR PR PR PR PR PR	ILLING ASS	Pump 1 Q-Pump 2 Q-Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN PREPAIRS	N/A N/A	1.D.	LENGTH	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEVIA PTH D	ATION	SURVE	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai DISTRIBU SERIA	N AY WELL T CHGE E KVA ED TODA day is Well and JTOR	WEIGHT AY HRS L 24	2255.00 451.00 -2255.0	E I.D. O TOTAL HRS	BOILER 99	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BAD GEAD GEAD	# JNTS # JNTS UEL USED TOTAL FOOTAGE	NO. KELL TOTA WT 0	M Line DR DR PR PR PR PR PR PR PR PR	ILLING ASS	Pump 1 Q-Pump 2 Q-Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN PREPAIRS	N/A N/A	1.D.	LENGTH	DEPTH CODE	DEVIA PTH D	ATION	SURVE	EYS
RENTALITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brai DISTRIBU SERIA	N AY WELL T CHGE E KVA ED TODA day is Well and JTOR	WEIGHT AY HRS L 24	2255.00 451.00 -2255.0	E I.D. O TOTAL HRS	BOILER 99	TJ O.D TODAY WELL BOILER BLOWDO VOLUMI CUM.	SPM Li 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BAD GEAD GEAD	# JNTS # JNTS UEL USED TOTAL FOOTAGE	NO. KELL TOTA WT 0	M Line DR DR PR PR PR PR PR PR PR PR	ILLING ASS	Pump 1 Q-Pump 2 Q-Pump 3 Pump 4 ON RAC	Z9 Z9	9IN 9IN PREPAIRS	N/A N/A	1.D.	LENGTH	DEPTH CODE	DEVIA PTH D	ATION	SURVE	EYS

PI	ONEE	R OII	LFIEL	D SEF	RVICES,	LL	С			MC	DR	NING	RE	POR [*]	Γ	DATE 201 (15	RIG NO). Jo	В ТҮРЕ	J	OB NO.		WE	LL TYPE	
	LNAME OM Veri	ficatio	n Well #	# 1					LEG	AL DESCRI							-	SPUD D. 09-23	ATE / TIN			5	AYS FR SF	PUD	PRO	DJECTED	TD
	RATOR M (ARC	CHER	DANIEI	_ MIDL	AND)					INTY / PARIS	SH					STATE	E	ЈОВ STA				6	AYS ON JO	ОВ	ES	T. RELEA	SE
	MANAGE WOOD						NE NUME 3-0053			RATORS RI		SENTATIVE		CO. I	IAN PH	NO.		RELEAS	E DATE	/ TIME			VEATHER 5D/ S W	IND	•		
	rations Iling	@ REPO	RT TIME		•									•				NS NEXT 2		ggin	9						
	ACCIDEN None	NTS OR I	NEAR MIS	SES:								# OF	JSA's	RIG S 54	AFETY	DAYS	SAF	FETY RATE			coord 3 796 W		ES 3.8934	вор т 10/29	EST DAT /10/11	E / PRES 00/250	SURE PSIG
ᄣ		ng con	n/ mixir		& chem							# STO	OP CARD		MEETIN AT70	NG DATI	Ē			YES	N-O-MATIC			BOP D	RILL DA	TE / TIM	E
SA	LAST INS	SPECTION	I INS	PECTION	BY / TITLE		CR	EW M/U		EXTRA	CRE	WS/WHY	?	·			0	OFFICE NOT		мапно 9 6.00	URS PAS	ST 24		BOP D	RILL DA	TE / TIM	E
S	CURRENT 7205	T DEPTH	7205		24 PEN. RA 379.21		кот. н 19.0	HRS	MAX. G	AS BCK	GR G	AS CON	N. GAS	TRIP GAS		LAST C. 13 3/8		SIZE & SE	T DEPTI 350	1					6 COS		RENTAL
	ноокьо <i>я</i> 155	AD		CKUP WE	IGHT	SLAC 155	CKOFF		ROTAT 155	ING		ROTARY	TORQUE		1	NEXT C	ASING	SIZE & SE	T DEPTI	H		DAIL	LY				
	Time 0500	Mud W 9.1	t IN / OU	T Funne	el Vis PV 15	Y 23		10 S GEL 1		L FI. Loss 8.4	FIL 1/3	т ск нт 32	THP FL	HTTP FC		ODAY	FU	IEL ADDED	то мир сим. 0			AVE	RAGE	0.00		0.00)
	Mud Type salt gel)	6	% SOLIDS	% LCM % :	SAND	% OIL	% H2O	рН 9.5	MF .71	PF .23			CHLORIDES		DAILY '	1090	MUD CO:	STS CUM. 2	03059	.50	CUM	MULATIVE	0.00		0.00)
	CENTRIF	UGES	•			HAKER ATIO		•	•	•	•	SCREEN 210	S		C	CHANGE	ED		WATER S	SOURCE		CUM	IULATIVE S	53.0		53.0)
	FROM 700	то 715	HRS 0.25	CODE 21	SAFETY	ME	TING			DETAI	LS OF	OPERATIO	ONS IN S	EQUENCE									TIME BRI			(Toda	y / Well)
	715	900	1.75	6	TRIP IN	HOL	E WITH			INOLES	////	ACUTO	DOTT	014									2: DRILL	ING		19.0	370.0 42.25
		1500	2.5 3.5	2	DRILL A	CTU	AL FR				, vv <i>F</i>	AON IU	<u>DUII</u>	UIVI									3: REAM 4: CORIN 5: COND	NG			133.0 94.25
			0.25 7.75	21 2	SAFETY DRILL F			TO 7143	<u> </u>														5: COND 6: TRIPS 7: LUBR	1		4.25	243.5
	2300	2315	0.25 7.75	21	SAFETY DRILL 7																		8: REPA	IR RIG			35.5 1.5
		3100	7	_	-INILL /		<u>. </u>																9: C/O D 10: DEVI	ATION			12.5 70.5
FOG																							12: RUN	CSG &	CMNT		21.75 33.5
TIME LO																							13: WAIT 14: NIPP 15: TEST	LE UP I	Ī		31.75 7.75
F																							15: TEST 16: DRIL 17: PLU	L STEM	TEST		2.25
-																							18: SQU 19: FISH	EEZE C	MNT		1.5
																							20: DIR.			0.75	33.75
-																										0.73	26.5 5.25
-																											5.25
																							OTHER			0.0	6.75
	BIT#	SIZ	E	TYPE	MA	KE		SERIAL#		NC)ZZLE	S		IN @	OUT	Γ@	DI	RILLED	HRS		CUM. HR	RS	Total H		DITION	24.0	1174.25 R O P
ကြေ	11 11	8 1/2 8 1/2	GX-		HTC HTC			67738 67738	3x1				706 706														
	11	8 1/2	GX-	44	HTC		51	67738	3x1	12			706	69						0.0	0						
										_	Pum	р 3	Pum			TY		STROKE	Man	ufactu	rer HF	25	Total HRS	MAY	PSI Ki	SPR I Rate	(ILL (SPM)
ကြွ	D	epth		GPM	PRESSURE		Pump iner		Pump ner		ner			SPM F	ump 1	 Q-Z 9)	9IN	N/A					MAA			
UMPS	7069 - 7	091			PRESSURE	6		SPM Li						F		Q-Z9		9IN 9IN					0.00 0.00) WAX			
PU	7069 - 7 7091 - 7 7143 - 7	7091 7143 7205	32	0	1950 1667	6 6 6	iner 85	SPM Li 6 6 6	ner 5	SPM Lir	ner	SPM	Liner	F F	ump 2 ump 3 ump 4	Q-Z9)	9IN	N/A				0.00 0.00 0.00 0.00		DIVE		
	7069 - 7 7091 - 7	7091 7143 7205			1950 1667	6 6 6	iner 85	SPM Li 6 6	ner 5	SPM Lir	ner		Liner	F	ump 2 ump 3 ump 4	Q-Z9)		N/A				0.00 0.00 0.00		RKS		
STRG	7069 - 7 7091 - 7 7143 - 7	7091 7143 7205	32	0	1950 1667	6 6 6	iner 85	SPM Li 6 6 6	ner 5	SPM Lir	ner	SPM	Liner	F F	ump 2 ump 3 ump 4	Q-Z9)	9IN	N/A				0.00 0.00 0.00 0.00		RKS		
DRLLSTRG	7069 - 7 7091 - 7 7143 - 7 SIZE	7091 7143 7205	32	0	1950 1667	6 6 6	iner 85	SPM Li 6 6 6	ner 5	SPM Lir	ner	SPM	TH	F F IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9	F	9IN REPAIRS	N/A				0.00 0.00 0.00 0.00 ill string	S REMA			
DRLLSTRG	7069 - 7 7091 - 7 7143 - 7 SIZE LOCATIO Co. No.	7091 7143 7205	32	0	1950 1667	6 6 6	iner 85	SPM Li 6 6 6	ner 5	SPM Lir	ner S	SPM	TH	F F	Pump 2 Pump 3 Pump 4 ON	Q-Z9	F	9IN REPAIRS	N/A		LENG	DRI	0.00 0.00 0.00 0.00 ill string	OEVIA		SURV	
DRLLSTRG	7069 - 7 7091 - 7 7143 - 7 SIZE	7091 7143 7205	32	0	1950 1667	6 6 6	iner 85	SPM Li 6 6 6	ner 5	SPM Lir	ner S	LENG	TH	F F IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9	F	9IN REPAIRS	N/A N/A		LENG	DRI	0.00 0.00 0.00 0.00 ill string	OEVIA	TION		EYS
ENGINES DRLLSTRG	7069 - 7 7091 - 7 7143 - 7 SIZE LOCATIO Co. No.	7091 7143 7205 NAY WELL	32	0	1950 1667	6 6 6	iner 85	SPM Li 6 6 6	ner 5	SPM Lir	ner S	LENG	TH	F F IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9	F	9IN REPAIRS	N/A N/A		LENG	DRI	0.00 0.00 0.00 0.00 ill string	OEVIA	TION		EYS
ENGINES DRLLSTRG	TOG9 - 7 TOG91 - 7 TOG91 - 7 TOG91 - 7 SIZE LOCATIO Co. No. HRS TOD HRS TOD HRS LAS AVERAGI DELIVER	7091 7143 7205 NAY WELL T CHGE E KVA	32 WEIGHT	0 GRAD	1950 1667 E I.D.	6 6 6	51 J O.D.	SPM Li 6 6 6	sead sead of the s	SPM Lir	ner S	LENG	TH	F F IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9	F	9IN REPAIRS	N/A N/A		LENG	DRI	0.00 0.00 0.00 0.00 ill string	OEVIA	TION		EYS
ENGINES DRLLSTRG	TOG9 - 7 TOG91 -	7091 7143 7205 WELL T CHGE E KVA	32 WEIGHT	0	1950 1667 E I.D.	E 6 6 6 T	iner 85	SPM Li 6 6 6 1 6 THR	sead sead of the s	SPM Lin	ner S	LENG	TH	F F IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9	F	9IN REPAIRS	N/A N/A		LENG	DRI	0.00 0.00 0.00 0.00 ill string	OEVIA	TION		EYS
RIG FUEL ENGINES DRLLSTRG	TOG9 - 7 TOG91 -	MY WELL T CHGE E KVA RED TODA	32 WEIGHT	0 GRAD	1950 1667 E I.D.	30 ER 0 0 0 0 0 0 0 0 0 0	SDAY	SPM Lii	sead sead of the s	SPM Lin	ner S	LENG	TH	F F IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9	F	9IN REPAIRS	N/A N/A		LENG	DRI	0.00 0.00 0.00 0.00 ill string	OEVIA	TION		EYS
RIG FUEL ENGINES DRLLSTRG	7069 - 7 7091 - 7 7143 - 7 SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran	MAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	32 WEIGHT	0 GRAD 1558.00 697.00 -1558.0	1950 1667 E I.D.	BOILER W BG BB W COT	SODAY ELL OULER # COWDOWN	SPM Lii 6 6 1 6 1 THR	s l	SPM Lin	ner S	LENG	TH	F F IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9	F	9IN REPAIRS	N/A N/A		LENG	DRI	0.00 0.00 0.00 0.00 ill string	OEVIA	TION		EYS
RIG FUEL ENGINES DRLLSTRG	TOG9 - 7 TOG91 -	MAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	32 WEIGHT	0 GRAD 1558.00 697.00 -1558.0	1950 1667 E I.D.	BOILER TO W BG BL VC	STATE OF THE PROPERTY OF THE P	SPM Lii	SEAD GE	SPM Lin	ner S	LENG	TH	F F IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9	F	9IN REPAIRS	N/A N/A		LENG	DRI	0.00 0.00 0.00 0.00 ill string	OEVIA	TION		EYS
RIG FUEL ENGINES DRLLSTRG	7069 - 7 7091 - 7 7143 - 7 SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran	MAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	32 WEIGHT	0 GRAD 1558.00 697.00 -1558.0	1950 1667 E I.D.	BOILER TO W BG BL VC	DDAY ELL OWDOW DLUMES UM.	SPM Li 6 6 6 THR HOURS	SEAD GE	SPM Lin	ner S	LENG	TH	F F IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9	F	9IN REPAIRS	N/A N/A		LENG	DRI	0.00 0.00 0.00 0.00 ill string	OEVIA	TION		EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	7069 - 7 7091 - 7 7143 - 7 SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran	MAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	32 WEIGHT	0 GRAD 1558.00 697.00 -1558.0	1950 1667 E I.D. 0 TOTAL HRS	BOILER TO W BG BL VC	DDAY ELL OWDOW DLUMES UM.	SPM Li 6 6 6 THR HOURS	SEAD GE	FUEL USED	ner S	LENG	TH	F F IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9	F	9IN REPAIRS	N/A N/A		LENG	DRI	0.00 0.00 0.00 0.00 ill string	OEVIA	TION		EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	7069 - 7 7091 - 7 7143 - 7 SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran	MAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	32 WEIGHT	1558.00 697.00 -1558.0	1950 1667 E I.D. 0 TOTAL HRS	BOILER TO W BG BL VC	DDAY ELL OWDOW DLUMES UM.	SPM Li 6 6 6 THR HOURS	SEAD GE 24	FUEL USED	ner S	LENG	TH	F F IN HOLE	Pump 2 Pump 3 Pump 4 ON	Q-Z9	F	9IN REPAIRS	O.D.		LENG	DRI	0.00 0.00 0.00 0.00 ill string	DEVIA	TION		EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	7069 - 7 7091 - 7 7143 - 7 SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran	MAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	32 WEIGHT	1558.00 697.00 -1558.0	1950 1667 E I.D. 0 TOTAL HRS	BOILER TO W BG BL VC	DDAY ELL OWDOW DLUMES UM.	SPM Li 6 6 6 THR HOURS	SEAD GE 24	FUEL USED	rs Y	NO.	DRILL	F F IN HOLE	Pump 2 Pump 3 Pump 4 ON ON	Q-Z9	F	9IN REPAIRS	O.D.		LENG	DRI	0.00 0.00 0.00 0.00 ill string	DEVIA	TION		EYS
ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	7069 - 7 7091 - 7 7143 - 7 SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran	MAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	32 WEIGHT	1558.00 697.00 -1558.0	1950 1667 E I.D. 0 TOTAL HRS	BOILER TO W BG BL VC	DDAY ELL OWDOW DLUMES UM.	SPM Li 6 6 6 THR HOURS	SEAD GE 24	FUEL USED	rs Y	LENG	DRILL	IN HOLE	Pump 2 Pump 3 Pump 4 ON ON	Q-Z9	F	9IN REPAIRS	O.D.		LENG	DRI	0.00 0.00 0.00 0.00 ill string	DEVIA	TION		EYS
MUD MTR RIG FUEL ENGINES DRLLSTRG	7069 - 7 7091 - 7 7143 - 7 SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran	MAY WELL T CHGE E KVA RED TODA day day dis Well nd UTOR	32 WEIGHT	1558.00 697.00 -1558.0	1950 1667 E I.D. 0 TOTAL HRS	BOILER TO W BG BL VC	DDAY ELL OWDOW DLUMES UM.	SPM Li 6 6 6 THR HOURS	SEAD GE 24	FUEL USED	Y	NO.	TH DRILL DRILL ARS / DR	ING ASS	Pump 2 Pump 3 Pump 4 ON ON ON	Q-Z9	F	9IN REPAIRS	O.D.	I.D.		DRI	0.00 0.00 0.00 0.00 ill string	DEVIA	TION		EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	7069 - 7 7091 - 7 7143 - 7 SIZE LOCATIO Co. No. HRS TOD. HRS ON V HRS LAS AVERAGI DELIVER On Hand Used Too Used Thi Fuel Bran	MAY WELL T CHGE E KVA RED TODA day is Well nd UTOR	Jacobs State of State	1558.00 697.00 -1558.0	1950 1667 E I.D. 0 TOTAL HRS	BOILER TO W BG BL VC	DDAY ELL OWDOW DLUMES UM.	SPM Li 6 6 6 THR HOURS	SEAD GE 24	FUEL USED	Y	NO. KELLY DOV	TH DRILL DRILL ARS / DR	ING ASS	Pump 2 Pump 3 Pump 4 ON ON ON	Q-Z9	F	9IN REPAIRS	O.D.	I.D.	25	TH	0.00 0.00 0.00 0.00 ILL STRING	DEVIA	INC	L	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	TO69 - 7 TO91 - 7 TO91 - 7 TO91 - 7 TO91 - 7 SIZE LOCATIO Co. No. HRS TOD HRS TOD HRS LAS AVERAGI DELIVER ON Hand Used Toc Used Thi Fuel Bran DISTRIBL SERIA	MAY WELL T CHGE E KVA RED TODA day is Well nd UTOR	Jacobs State of State	1558.00 697.00 -1558.0	1950 1667 E I.D. 0 TOTAL HRS	BOILER TO W BG BL VC	DDAY ELL OWDOW DLUMES UM.	SPM Li 6 6 6 THR HOURS	SEAD GE 24	FUEL USED	Y	NO. KELLY DOV	TH DRILL DRILL ARS / DR	ING ASS	Pump 2 Pump 3 Pump 4 ON ON ON	Q-Z9	F	9IN REPAIRS STAN SING	O.D. IDS LES FRO 7069	1.D.	25 TO	TH	DEPTH CODE D	DEVIA TH D DRIL RI 55	TION	NS TO	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	TO69 - 7 TO91 - 7 TO91 - 7 TO91 - 7 TO91 - 7 SIZE LOCATIO Co. No. HRS TOD HRS TOD HRS LAS AVERAGI DELIVER ON Hand Used Toc Used Thi Fuel Bran DISTRIBL SERIA	MAY WELL T CHGE E KVA RED TODA day is Well nd UTOR	Jacobs State of State	1558.00 697.00 -1558.0	1950 1667 E I.D. 0 TOTAL HRS	BOILER TO W BG BL VC	DDAY ELL OWDOW DLUMES UM.	SPM Li 6 6 6 THR HOURS	SEAD GE 24	FUEL USED	Y	NO. KELLY DOV	TH DRILL DRILL ARS / DR	ING ASS	Pump 2 Pump 3 Pump 4 ON ON ON	Q-Z9	F	9IN REPAIRS STAN SING	N/A N/A N/A O.D.	I.D.	25 TO 7091	TH	DEPTH CODE D D D D D D D D D D D D D D D D D D	DEVIA TH DEVIA TH	INC	NS TO 45 43	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	TO69 - 7 TO91 - 7 TO91 - 7 TO91 - 7 TO91 - 7 SIZE LOCATIO Co. No. HRS TOD HRS TOD HRS LAS AVERAGI DELIVER ON Hand Used Toc Used Thi Fuel Bran DISTRIBL SERIA	MAY WELL T CHGE E KVA RED TODA day is Well nd UTOR	Jacobs State of State	1558.00 697.00 -1558.0	1950 1667 E I.D. 0 TOTAL HRS	BOILER TO W BG BL VC	DDAY ELL OWDOW DLUMES UM.	SPM Li 6 6 6 THR HOURS	SEAD GE 24	FUEL USED	Y	NO. KELLY DOV	TH DRILL DRILL ARS / DR	ING ASS	Pump 2 Pump 3 Pump 4 ON ON ON	Q-Z9	F	9IN REPAIRS STAN SING	O.D. IDS LES FRO 7069	I.D.	25 TO	TH	DEPTH CODE D D D D D D D D D D D D D D D D D D	DEVIA TH D DRIL RI 55	INC	NS TO	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	TO69 - 7 TO91 - 7 TO91 - 7 TO91 - 7 TO91 - 7 SIZE LOCATIO Co. No. HRS TOD HRS TOD HRS LAS AVERAGI DELIVER ON Hand Used Toc Used Thi Fuel Bran DISTRIBL SERIA	MAY WELL T CHGE E KVA RED TODA day is Well nd UTOR	Jacobs State of State	1558.00 697.00 -1558.0	1950 1667 E I.D. 0 TOTAL HRS	BOILER TO W BG BL VC	DDAY ELL OWDOW DLUMES UM.	SPM Li 6 6 6 THR HOURS	SEAD GE 24	FUEL USED	Y	NO. KELLY DOV	TH DRILL DRILL ARS / DR	ING ASS	Pump 2 Pump 3 Pump 4 ON ON ON	Q-Z9	F	9IN REPAIRS STAN SING	N/A N/A N/A O.D.	I.D.	25 TO 7091	TH	DEPTH CODE D D D D D D D D D D D D D D D D D D	DEVIA TH DEVIA TH	INC	NS TO 45 43	EYS
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG	TO69 - 7 TO91 - 7 TO91 - 7 TO91 - 7 TO91 - 7 SIZE LOCATIO Co. No. HRS TOD HRS TOD HRS LAS AVERAGI DELIVER ON Hand Used Toc Used Thi Fuel Bran DISTRIBL SERIA	MAY WELL T CHGE E KVA RED TODA day is Well nd UTOR	Jacobs State of State	1558.00 697.00 -1558.0	1950 1667 E I.D. 0 TOTAL HRS	BOILER TO W BG BL VC	DDAY ELL OWDOW DLUMES UM.	SPM Li 6 6 6 THR HOURS	SEAD GE 24	FUEL USED	Y	NO. KELLY DOV	TH DRILL DRILL ARS / DR	ING ASS	Pump 2 Pump 3 Pump 4 ON ON ON	Q-Z9	F	9IN REPAIRS STAN SING	N/A N/A N/A O.D.	I.D.	25 TO 7091	TH	DEPTH CODE D D D D D D D D D D D D D D D D D D	DEVIA TH DEVIA TH	INC	NS TO 45 43	EYS

PI	ONEE	ER OII	LFIEL	D SEF	RVICES,	LLC				MOF	RNIN	NG R	EPOR	т	DATE 20101	116	RIG NO). JOB T	YPE	JOB NO.		w	ELL TYPE	<u> </u>
WEI	LLNAME OM Veri								LEGAL	DESCRIPTION						SPUD D	ATE / TIM -10 12			DAYS FR	SPUD	PI	ROJECTE	D TD
OPE	ERATOR			L MIDL	AND)				соинт	TY / PARISH					STATE IL	JOB STA	ART DATE	<u> </u>		DAYS ON	I JOB	E	ST. RELE	ASE
RIG	MANAGE WOOD	ER			RIG	9HONE	NUMBEI	R		ATORS REPR		ATIVE	co.	MAN PH	NO.	RELEAS	SE DATE	/ TIME		WEATHE)		
OPE	ERATIONS gging		RT TIME						1		- -				OPERATI loggir	IONS NEXT 2	24 HRS							
		NTS OR I	NEAR MIS	SSES:								# OF JSA	's RIG	SAFETY D		SAFETY RATE		G.P.S. CON 39.879	OORDINA	TES 88.8934	ВОР 10/2	P TEST DA	TE / PRE	SSURE O PSIG
		MEETING	TOPICS									# STOP C	ARDS LAS	MEETING				CROWN-O				P DRILL D		
SAI		SPECTION	l INS	SPECTION	BY / TITLE		CREV	W M/U		EXTRA C	REWS /	WHY?				OFFICE NO	TIFIED	MANHOUR 96.00	S PAST 2	24	ВОР	DRILL D	ATE / TIN	IE
10	CURRENT	T DEPTH		AGE LAST			ROT. HR	5 M	IAX. GAS	BCKGR	GAS	CONN. GA	S TRIP GA			ING SIZE & S	ET DEPTH				RI	G CO	STS	
10 1	7264 HOOKLO	AD		PICKUP WE		SLACK	6.75 off		ROTATING	3	RO	TARY TOR	QUE		3 3/8 EXT CAS	ING SIZE & S	350 ET DEPTI	1		AILY		S&R		RENTAL
	155 Time			55 IT Funne		155 YLD	PT 10	S GEL 10		I. Loss	FILT CK	HTHP F	L HTTP F	С		FUEL ADDED					0.0	<u> </u>	0.0	<u> </u>
	230 Mud Type			65 % SOLIDS	% LCM % S	SAND 9	6 OIL (% H2O	рН	MF P		CALCIUM	CHLORIDE		DAY	MUD CO			CI	/ERAGE JMULATIV				
MUD	salt gel			6		IAKER T	YPE	94	9.5	.71 .2	SCF	20 REENS	10400		AILY HANGED		WATER S	03059.50 SOURCE		MULATIV	- 0.0		0.0	
	FROM	ТО	HRS	CODE	NA	ATION	AL			DETAILS	OF OPER		N SEQUENCE				HYD		DA	YS TIME E	54.		54.	y / Well)
li		715	0.25	21	safety m			NA 700E	TO 704											1: RIC	S UP / DO			0.5
	715 1400	1500	6.75 1.0	6	DRILL A	TRIP 1	0 STA		10/26	<u>)4 </u>										3: RE	ILLING AMING		6.75	376.75 42.25
	1500 1515	1515 1530	0.25 0.25	21 6	SAFETY SHORT		ING														ND. & C	CIRC	3.5	97.75
	1530	1900	3.5	5	CONDITI	ON M						D	D. C.							6: TR 7: LU	IPS BRICATE	E RIG	5.75	249.25
		1	4.0 0.25	6 21	TRIP OU SAFETY			<u>/// D P /</u>	AND C	<u>ULLARS</u>	AND	RIT FO	K LOG							•	PAIR RIC			35.5 1.5
	2315	1	0.5	6	P.O.O.H WIRELIN															10: D	EVIATIO	N	7.25	12.5 77.75
FOG	<u> </u>	0100	20	11	**II\ELII\	<u></u>														12: R	UN CSG	& CMNT		21.75 33.5
TIME L																				14: N	IPPLE U	P BOP		31.75 7.75
Ē																				16: DI	RILL STE	EM TEST		2.25
																				18: S	UGBAC QUEEZE			1.5
																					SHING R. WOR	K		
																							0.75	34.5 26.5
																								5.25
																				OTU	-D		0.0	C 75
																				OTH	Hours	3	0.0 24.0	6.75 1198.25
(A)	BIT#	8 1/2	E GX	TYPE -44	HTC MA	KE		7738	3x12	NOZZ	LES		IN @ 7069	OUT	@	DRILLED	HRS	0.00	M. HRS		СО	NDITION		ROP
BITS	11	8 1/2	GX	-44	HTC		5167	7738	3x12				7069					0.00						
											•		, 1				1	0.00	Luna	1 =	I	A V DOL	SPR I	(U. L. (ODM)
PS		Depth		GPM	PRESSURE	Lin		M Line			r SPN	_		Pump 1		9IN	N/A	ufacturer	HRS	0.00	IKS IWA	4X PSI N	ill Rate	KILL (SPM)
PUMPS	7205 - 7	7264			1675	6	51	6	51					Pump 2 Pump 3	Q-Z9	9IN	N/A			0.00				
(2)	SIZE		WEIGHT	GRAD	E I.D.	TJ	O.D.	THRE	AD	# JNTS	L	ENGTH	IN HOLE	Pump 4 ON F	RACK	REPAIRS			D	0.00 RILL STR	ING REN	MARKS		
STRG																								
DRLL																								
																	1							/EVO
																				_	551		01101	EYS
ပ္သ	LOCATIO	DN									NO.	DR	ILLING AS	SEMBL	Y (BH/	A)	O.D.	I.D.	LENGTH	DI		IATION I INC		AZM
GINES	Co. No. HRS TOD	DAY									NO.	DR	ILLING AS	SEMBL	Y (BH/	A)	O.D.	I.D.	LENGTH	DI	DEVI EPTH	IATION		AZM
ENGINES	Co. No. HRS TOD HRS ON V	DAY WELL ST CHGE									NO.	DR	ILLING AS	SEMBL	Y (BH <i>i</i>	A)	O.D.	I.D.	LENGTH	DI				AZM
ENGINES	Co. No. HRS TOD HRS ON I HRS LAS AVERAG	DAY WELL ST CHGE	AY					HOURS		EL USEN	NO.	DR	ILLING AS	SEMBL	Y (BH <i>i</i>	A)	O.D.	I.D.	LENGTH	DE				AZM
	Co. No. HRS TOD HRS ON THRS LAS AVERAG DELIVER On Hand	DAY WELL ST CHGE GE KVA RED TODA	AY	943.00		TODA		HOURS	FU	EL USED	NO.	DR	ILLING AS	SEMBL	Y (BH	A)	O.D.	I.D.	LENGTH	DI				AZM
	Co. No. HRS TOD HRS ON THE LAS AVERAG DELIVER On Hand Used Tot Used Thi	DAY WELL ST CHGE GE KVA RED TODA d dday nis Well	AY	943.00 615.00 -943.00		BOIL MEL	L	HOURS	FU	EL USED	NO.	DR	ILLING AS	SEMBL	Y (BH	A)	O.D.	I.D.	LENGTH	DI				AZM
RIG FUEL ENGINES	Co. No. HRS TOD HRS ON THE STOD HRS LAS AVERAG DELIVER On Hand Used Too	DAY WELL BT CHGE GE KVA RED TODA d day uis Well and	AY	615.00		WELL BOIL BLOW	L	HOURS	FU	EL USED	NO.	DR	ILLING AS	SEMBL	Y (BH	A)	O.D.	I.D.	LENGTH	DE				AZM
RIG FUEL	Co. No. HRS TOD HRS ON THE LAS AVERAGE DELIVER On Hand Used The Fuel Brain	DAY WELL ST CHGE GE KVA RED TODA d d day uis Well and UTOR	HRS L	615.00 -943.00	TOTAL	WELL BOIL WOLL	L ER # WDOWN UMES	FOOTAG	GE .	TOTAL	NO.	DR	ILLING AS	SEMBL	Y (BH	A)	O.D.	I.D.	LENGTH	Di				AZM
RIG FUEL	Co. No. HRS TOD HRS ON THE LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brain DISTRIBUTE	DAY WELL ST CHGE GE KVA RED TODA d d day uis Well and UTOR	HRS L	615.00 -943.00		BLOW VOL	L ER # WDOWN UMES		GE .		NO.	DR	ILLING AS	SEMBL	Y (BH/	A)	O.D.	I.D.	LENGTH					AZM
	Co. No. HRS TOD HRS ON THE LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brain DISTRIBUTE	DAY WELL ST CHGE GE KVA RED TODA d d day uis Well and UTOR	HRS L	615.00 -943.00	TOTAL HRS	WELL BOIL WOLL	L .ER # WDOWN UMES	FOOTAG LAST 24	GE -	TOTAL OOTAGE	NO.	DR	ILLING AS	SEMBL	Y (BH/	A)	O.D.	I.D.	LENGTH	DI				AZM
MUD MTR RIG FUEL	Co. No. HRS TOD HRS ON THE LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brain DISTRIBUTE	DAY WELL ST CHGE GE KVA RED TODA d d day uis Well and UTOR	HRS L	615.00 -943.00	TOTAL HRS	WELL BOIL WOLL	L .ER # WDOWN UMES	FOOTAG LAST 24	GE .	TOTAL	NO.	DR	ILLING AS	SEMBL	Y (BHA	A)	O.D.	I.D.	LENGTH					AZM
MUD MTR RIG FUEL	Co. No. HRS TOD HRS ON THE LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brain DISTRIBUTE	DAY WELL ST CHGE GE KVA RED TODA d d day uis Well and UTOR	HRS L	615.00 -943.00	TOTAL HRS	WELL BOIL WOLL	L .ER # WDOWN UMES	FOOTAG LAST 24	GE -	TOTAL OOTAGE	NO.	DR			Y (BH			I.D.	LENGTH				CL	AZM
ITEMS MUD MTR RIG FUEL	Co. No. HRS TOD HRS ON THE LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brain DISTRIBUTE	DAY WELL ST CHGE GE KVA RED TODA d d day uis Well and UTOR	HRS L	615.00 -943.00	TOTAL HRS	WELL BOIL WOLL	L .ER # WDOWN UMES	FOOTAG LAST 24	GE -	TOTAL OOTAGE			DRILL P		Y (BH/	STAI SING	NDS	I.D.	LENGTH				CL	AZM
ITEMS MUD MTR RIG FUEL	Co. No. HRS TOD HRS ON THE LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brain DISTRIBUTE	DAY WELL ST CHGE GE KVA RED TODA d d day uis Well and UTOR	HRS L	615.00 -943.00	TOTAL HRS	WELL BOIL WOLL	L .ER # WDOWN UMES	FOOTAG LAST 24	GE -	TOTAL OOTAGE		/ DOWN			Y (BH	STAI	NDS	I.D.	LENGTH				CL	AZM
MUD MTR RIG FUEL	Co. No. HRS TOD HRS ON THE LAS AVERAG DELIVER On Hand Used Too Used Thi Fuel Brain DISTRIBUTE	DAY WELL ST CHGE GE KVA RED TODA d d day uis Well and UTOR	HRS L	615.00 -943.00	TOTAL HRS	WELL BOIL WOLL	L .ER # WDOWN UMES	FOOTAG LAST 24	GE -	TOTAL OOTAGE	KELLY	/ DOWN		PE	Y (BH/	STAI	NDS		LENGTH				CL	AZM
ITEMS MUD MTR RIG FUEL	Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi Fuel Brai DISTRIBU SERIA	DAY WELL ST CHGE GE KVA RED TODA d d day uis Well and UTOR	HRS L	615.00 -943.00	TOTAL HRS	WELL BOIL WOLL	L .ER # WDOWN UMES	FOOTAG LAST 24	GE -	TOTAL OOTAGE	KELLY	/ DOWN	DRILL PI	PE	Y (BH/	STAI	NDS	419.0		DEPT	H DR	DIRECTI	ONS TO	
RENTAL ITEMS MUD MTR RIG FUEL	Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi Fuel Brai DISTRIBU SERIA	DAY WELL BT CHGE GE KVA RED TODA d d day his Well and UTOR AL #	HRS L	615.00 -943.00	TOTAL HRS	WELL BOIL WOLL	L .ER #	FOOTAG LAST 24	GE -	TOTAL OOTAGE	KELLY	/ DOWN	DRILL PI	PE	Y (BHA	STAI	NDS	419.0	TO		H DR	DIRECTI	ONS TO	W.O.B.
RENTAL ITEMS MUD MTR RIG FUEL	Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi Fuel Brai DISTRIBU SERIA	DAY WELL BT CHGE GE KVA RED TODA d d day his Well and UTOR AL #	HRS L	615.00 -943.00	TOTAL HRS	WELL BOIL WOLL	L .ER #	FOOTAG LAST 24	GE -	TOTAL OOTAGE	KELLY	/ DOWN	DRILL PI	PE	Y (BH/	STAI	NDS	419.0	TO	DEPT	H DR	DIRECTI	ONS TO	
RENTAL ITEMS MUD MTR RIG FUEL	Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi Fuel Brai DISTRIBU SERIA	DAY WELL BT CHGE GE KVA RED TODA d d day his Well and UTOR AL #	HRS L	615.00 -943.00	TOTAL HRS	WELL BOIL WOLL	L .ER #	FOOTAG LAST 24	GE -	TOTAL OOTAGE	KELLY	/ DOWN	DRILL PI	PE	Y (BH/	STAI	NDS	419.0	TO	DEPT	H DR	DIRECTI	ONS TO	
RENTAL ITEMS MUD MTR RIG FUEL	Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi Fuel Brai DISTRIBU SERIA	DAY WELL BT CHGE GE KVA RED TODA d d day his Well and UTOR AL #	HRS L	615.00 -943.00	TOTAL HRS	WELL BOIL WOLL	L .ER #	FOOTAG LAST 24	GE -	TOTAL OOTAGE	KELLY	/ DOWN	DRILL PI	PE	Y (BHA	STAI	NDS	419.0	TO	DEPT	H DR	DIRECTI	ONS TO	
ITEMS MUD MTR RIG FUEL	Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi Fuel Brai DISTRIBU SERIA	DAY WELL BT CHGE GE KVA RED TODA d d day his Well and UTOR AL #	HRS L	615.00 -943.00	TOTAL HRS	WELL BOIL WOLL	L .ER #	FOOTAG LAST 24	GE -	TOTAL OOTAGE	KELLY	/ DOWN	DRILL PI	PE	Y (BH/	STAI	NDS	419.0	TO	DEPT	H DR	DIRECTI	ONS TO	
RENTAL ITEMS MUD MTR RIG FUEL	Co. No. HRS TOD HRS ON V HRS LAS AVERAG DELIVER On Hand Used Tod Used Thi Fuel Brai DISTRIBU SERIA	DAY WELL BT CHGE GE KVA RED TODA d d day his Well and UTOR AL #	HRS L	615.00 -943.00	TOTAL HRS	WELL BOIL WOLL	L .ER #	FOOTAG LAST 24	GE -	TOTAL OOTAGE	KELLY	/ DOWN	DRILL PI	PE	Y (BH/	STAI	NDS	419.0	TO	DEPT	H DR	DIRECTI	ONS TO	

WE AI	LLNAN DM V ERATO	ME 'erificati DR	ion W	/ell # [*]	1	VICES	5, L	LC			COUNT	DESCRIPTI Y / PARISH	ION	NG F	REPOF	RT	STAT	01117	SPUD DA 09-23- JOB STA	10 12 RT DATE	1E 2:30		JOB NO. DAYS FR S 55 DAYS ON 3		PR	ELL TYPE ROJECTED ST. RELEA	
RIG	MANA WO		R DA	NIEL	MIDLA	R		HONE NU				on TORS REPI UGHES		ΓATIVE	cc). MAN	PH NO.		09-15-				63 WEATHER 35D/ S V	/IND			
OPI	ERATIO	ONS @ REF	PORT T	ПМЕ		0	10-	943-00	133		РІП	UGHES	K						IS NEXT 24				33DI 3 V	טאוע			
10		IDENTS O	R NEAF	R MISS	ES:									# OF JS/	A's RIG		TY DAYS		TY RATE		G.P.S. C	OORDINA	TES 38.8934	BOP	TEST DA	TE / PRES	SURE
ETY		ETY MEETII												# STOP C	ARDS LAS	ST MEE	TING DAT	ΓE			CROWN-O					1 00/250 ATE / TIME	
SAF		ging/ pic				BY / TITLE			CREW N	// U		EXTRA C	REWS /	WHY?	9/2	24AT7	700	OF	FICE NOT	IFIED	YES MANHOUR	S PAST 2	24	BOP	DRILL D	ATE / TIME	<u> </u>
	CURR	RENT DEPT	тн Ге	OOTAG	GE LAST :	24 PEN. R	ATE	RO	T. HRS	M	AX. GAS	BCKGR	RGAS	CONN. G	AS TRIP G	SAS	LAST C	CASING	SIZE & SE		88.00	-		RIC	G CO	STS	
OPS		KLOAD	C)	KUP WEI	0.0		ACKOF			OTATING			OTARY TOP			9 5/8			5320				_	S&R		ENTAL
0	155		144 151	15	5		15	55		1	55						NEXT					D	AILY				
	Time		Wt IN								M GEL F			K HTHP			TODAY			им. О .		A۱	/ERAGE	0.00)	0.00)
MUD	Mud T			% 6	SOLIDS	% LCM %	SAN	D % O	IL % ⊦ 94		-		PF 23	CALCIUM 20	10400	ES	DAILY		MUD COS		03059.5	0 cı	JMULATIVE	0.00)	0.00)
	CENT	RIFUGES						ER TYPE						REENS			CHANG	SED		VATER S	OURCE		MULATIVE YS	55.0)	55.0)
	FRO		_		CODE	CARE	TV	MEETI	INC			DETAILS	OF OPE	RATIONS	IN SEQUENC	Έ							TIME BR			(Today	// Well)
	700 715	715 1500	0.2) 7.7		21 11	SARFE WIRELI																	1: RIG U 2: DRIL		WN		0.5 376.75
	1500				21	safety r																	3: REAI				42.25 133.0
	1515 2300				11 21	WIRELI SAFET																	5: CONI	D. & CII	RC		97.75 249.25
	2315	5 0700	7.7	75 ·	11	WIRELI	NE	LOGS	i														6: TRIP	RICATE			
																							9: C/O [35.5 1.5
																							10: DEV		ſ	23.25	12.5 101.0
POOT																							12: RUN	CSG 8	CMNT		21.75 33.5
TIME L																							14: NIP	PLE UP	ľ		31.75 7.75
Ē																							16: DRII	L STE	ľ		2.25
																							17: PLU 18: SQI	JEEZE			1.5
																							19: FISI 20: DIR				
																							_			0.75	35.25 26.5
																											5.25
																							OTHER Total I			24.0	6.75 1222.25
	ВП	T# S	SIZE	Т	YPE	M	AKE		SER	IAL#		NOZZ	ZLES		IN @	С	OUT @	DRI	ILLED	HRS	0.00	JM. HRS		CON	NDITION		ROP
BITS																					0.00						
																					0.00						
တ		Depth		G	SPM .	PRESSURI	E	Pun Liner	ı i	Line	ump 2 er SPI		ump 3 r SP		Pump 4 er SPM	Pum	т\ р 1 Q-Z		STROKE 9IN	Man N/A	ufacturer	HRS	Total HR	S MA	X PSI K	SPR ill Rate K	ILL (SPM)
PUMPS								6		6						Pum	p 2 Q-Z		9IN	N/A			0.00				
Д																Pum Pum							0.00				
STRG	S	SIZE	WEIC	GHT	GRADE	I.D.		TJ O.D		THREA	AD .	# JNTS		LENGTH	IN HOLE		ON RACK	K RE	EPAIRS			D	RILL STRIN	G REM	ARKS		
DRLL																											
	LOCA	ATION											NO.	DI	RILLING A	SSEM	IBLY (E	зна)		O.D.	I.D.	LENGTH		DEVI	ATION	SURVI	EYS
NES	Co. N	Io. TODAY																					DEF	TH	INC	L	AZM
ENGINES	HRS	ON WELL																									
Ш		RAGE KVA																									
		VERED TO	DAY			'		TCT ···	Н	OURS	FUI	EL USED			_												
:UEL	On H Used	land I Today			779.00 164.00		ER	TODAY WELL																			
RIG FUEL		l This Well Brand			-779.00		SOIL	BOILER			<u> </u>												+				
		RIBUTOR						BLOWD: VOLUM	ES														\dashv				
MTR	SE	ERIAL#	Н	RS LAS 24	ST	TOTAL HRS		CUM. ELL HRS		OOTAGI AST 24		TOTAL DOTAGE	F														
MUD MTR			<u> </u>																				#				
≥				DF	SCRIPTIC	DN .			DAY	RT	STDBY	HRLY	H														
NS.																											
ITEMS													\vdash		DD::: -)IP=			STAN	DS				ı	DIRECTION	ONS TO	
RENTAL													VE: 1	Y DOWN	DRILL F	ILE			SINGL				4				
Z	<u> </u>												ТОТА	L									_				
RE															S / DRILLSTRI LAST INSPEC						419.0						
RE										_													DEPTH	DRI	LLED		
RE	used	d 164 gal	of fue	el																FRO	M	то	CODE			V	V.O.B.
	used	d 164 gal	of fue	el																FRO	М	ТО			RPM	V	V.O.B.
	useo	d 164 gal	of fue	el 																FRO	M	ТО				V	V.O.B.
	used	d 164 gal	of fue	el																FRO	M	ТО				V	V.O.B.
	useo	d 164 gal	of fue	el																FRO	M	ТО				V	V.O.B.
REPORT REMARKS RE	used	d 164 gal	of fue	el																FRO	M	ТО				V	V.O.B.
	used	d 164 gal	of fue	ei																FRO	M	ТО				V	V.O.B.

		R OI	LFIEL	D SE	ERVICES	S, L	LC			T	MC	R	NIN	IG R	EPC	RT		TE 01011		15		B TYPE		IOB NO.			. TYPE	
Αľ	LNAME OM Veri	ficatio	n Well	#1							L DESCRI		N						09-2	DATE / TIN 3-10 12	2:30		50				ECTED	
	RATOR	CHER	DANIE	L MID	LAND)					COUN Mac	TY / PARIS O N	SH					ST IL	ATE		TART DATE 5-10 1			D 64	AYS ON JO	DВ	EST.	RELEA	SE
	MANAGE WOOD						HONE NO				ATORS RE		SENTA	TIVE		CO. MAI	N PH NO	١.	RELEA	ASE DATE	/ TIME			VEATHER 5D/SW	IND			
OPE	RATIONS		RT TIME																ons next g/ trippi									
	ACCIDEN	ITS OR	NEAR MIS	SSES:									3	# OF JSA		RIG SAFI	ETY DAY		AFETY RAT	E		COORE 8796 V			BOP TES 10/29/1	T DATE	/ PRES	SURE
SAFETY	SAFETY													STOP CA	ARDS L	AST ME	ETING D	ATE			CROW	N-O-MAT			BOP DRI			
SAF	LAST INS			SPECTIO	N BY/TITLE			CREW	M/U		EXTRA	CRE	EWS / V	VHY?	9	/24AT	700		OFFICE NO	OTIFIED		OURS PA	ST 24		BOP DRI	LL DAT	E / TIME	Ξ
	CURRENT	DEPTH	FOOT	AGE LAS	ST 24 PEN. I	RATE	R	OT. HRS	N	IAX. GAS	ВСК	GR G	AS (CONN. GA	S TRI	GAS	LAS	T CASIN	NG SIZE & S		96.00				DIC	COST	Τς	
OPS	HOOKLO		0		0.0		LACKOF			ROTATIN				ARY TOR			13 3	3/8	NG SIZE &	350					S &			ENTAL
	155		1	55		15	55		1	155							NLA						DAIL	_Y				
	Time		t IN / OL								FI. Loss		LT CK			P FC	TODA		UEL ADDE	ото мир сим. 0			AVE	RAGE	0.00		0.00)
MUD	Mud Type salt gel			% SOLIE 6	1	% SAN		9	H2O 4	рН 9.5	MF .71	.23		CALCIUM 20	10400		DAIL	Y	MUD C	OSTS CUM. 2	03059	9.50	CUM	MULATIVE	0.00		0.00)
	CENTRIF	UGES					ER TYPI						SCR 21	EENS 0			CHAI	NGED		WATER S	OURCI		CUM DAYS	IULATIVE S	56.0		56.0)
	FROM 700	то 715	HRS 0.25	21	SAFET	V M	EETIN	IC.			DETAIL	LS OI	F OPER	ATIONS I	N SEQUE	NCE								TIME BRE			(Today	/ / Well)
	715	1500	7.75	11	WIREL				GGIN	G 8 1/2	inch h	ole												1: RIG UI 2: DRILL				376.75
		1515 2300	0.25 7.75	21 11	safety WIREL			logg	ina 8	1/2 inc	h hole													3: REAM 4: CORIN				42.25 133.0
	2300	2315	0.25	21	SAFET	ΥM	IEETIN	NG		.,														5: COND				97.75 249.25
	2315	0700	7.75	11	WIREL	<u>INE</u>	LOGS	<u> </u>																7: LUBRI 8: REPAI	CATE RIG			35.5
																								9: C/O DI	RILL LINE			1.5
																								10: DEVI	LINE LO		3.25	124.25
10G				<u> </u>																				12: RUN 13: WAIT				21.75 33.5
TIME LOG																								14: NIPP 15: TEST		P		31.75 7.75
_																								16: DRILI 17: PLUG		<u>:ST</u>		2.25
																								18: SQUI	EEZE CM	NT		1.5
																								20: DIR.		0.	75	36.0
																										<u> </u>	75	26.5
																												5.25
																								OTHER				6.75
		1																						Total H		24	1.0	1246.25
S	BIT#	SIZ	E	TYPE	ſ	<i>I</i> AKE		SE	RIAL#		NO	ZZLI	ES		IN @		OUT @		DRILLED	HRS	0.0	CUM. HI	RS		CONDI	ION		ROP
BITS																					0.0							
							Du	mp 1		Pump 2		Pum	n 2	l p	ump 4			TYPE	STROP	KE Mar	0.0		IRS	Total HRS	MAYD	sı I . SP	R Iv	ILL (SPM)
PS	D	epth		GPM	PRESSUF	RE	Liner	1				ner	SPM				np 1 Q	-Z9	9IN	N/A		ilei I	(0.00	MAXI	PI Kill R	Rate	ILL (OI III)
PUMPS																	np 2 Q	-Z9	9IN	N/A				0.00				
	SIZE		WEIGHT	GR/	ADE I.D.		TJ O.D). I	THRE	AD	# JNT	s	LE	NGTH	IN HO		np 4 ON RAG	ск	REPAIRS					0.00 ILL STRING	REMARI	(S		
RLLSTRG																												
RLL!																												
٥																						_		_				
S	Co. No.	N										┦	NO.	DR	ILLING	ASSEI	MBLY ((BHA)	O.D.	I.D.	LENG	STH	DEP	EVIAT	ION S	URVE	EYS AZM
ENGINES	HRS TOD																											/ U_1V1
EN	HRS LAS																											
	AVERAG DELIVER		AY						HO! IT C		IEL 116-	-												<u></u>				
EL	On Hand		· =	574.0		~	TODAY		HOURS	FL	JEL USED	1												<u> </u>				
RIG FUEL	Used Too Used Thi	-		205.0 -574.0		BOILER	WELL BOILER	₹#				\dashv												士				
RIC	Fuel Brai					BC	BLOWD	OWN				1																
꼰	SERIA		HRS L		TOTAL		CUM.		FOOTAG		TOTAL													╂				
MUD MTR			24		HRS	W	/ELL HR	5	LAST 2	4 F	OOTAGE	+												1				
Σ																												
(0				ESCRIP	PTION			D/	AY RT	STDBY	HRL	Y -																
RENTAL ITEMS												1		1											DIP	ECTIONS	S TO	
AL II												#			DRILL	PIPE	į			ANDS GLES				-	JIK.		. 10	
ENT,													KELLY TOTAL	DOWN]				
R											+		WT of 0		/ DRILLS						6 -			1				
	used 20	5 gal o	f fuel								1		HOURS	SINCE L	AST INSP	ECTION					419.0	0		DEPTH	DRILL	ED		
(0																				FRO	М	ТО		CODE	RPN	ı	V	V.O.B.
ARKS							_																					
EM/							\perp																			$\overline{}$		
RTR																												
REPORT REMAR																												
4																												

WE A[LLNAME OM Verif ERATOR	icatio	n Well	#1	ERVICE	S, L	LC			COU	MC AL DESCRI	IPTIC		NG F	REPO	RT	DATE 201	10111	9 SPUD D 09-23 JOB STA 09-15	-10 1	ME 2:30	B TYPE	D 57	AYS ON J		PR	ELL TYPE ROJECTED ST. RELEA	
RIG	DM (ARCHER DANIEL MIDLAND) RIG PHONE NUM 618-943-005								NUMBER OPERATORS REPRESENTATIVE CO. MAN PH NO. RELEASE D									ATE / TIME WEAT				ATHER D/ S WIND						
	RATIONS (@ REPC	OPERATIONS NEXT 2 logging/ trippin																									
	none							# OF JSA's RIG SAFETY DAYS SAFETY RATE 58										N 39.	s. coordinates 9.8796 W -88.89 3			8934 10/29/10/1100/250 PSIG						
SAFET		MEETING TOPICS g/. logging SPECTION INSPECTION BY / TITLE C							CREW M / U EXTRA CREV						# STOP CARDS LAST MEETING DA 9/24AT700				FFICE NO		YES	OWN-O-MATIC CHECKED S NHOURS PAST 24			BOP DRILL DATE / TIME BOP DRILL DATE / TIME			
S	CURRENT				ST 24 PEN		. Тв						REWS / WHY?				LAST				96.00		31 24				STS	
OPS	HOOKLOA		0	PICKUP V	0.0		BLACKO			ROTATI				GAS CONN. GAS TRIP GAS ROTARY TORQUE			9 5/8 NEXT CASING SIZE & SE			5320					S & R			ENTAL
	155 Time			155	nel Vis P	1	55		155 The state of									DAIL										
Q	1730 Mud Type	9.1		% SOLID		2	27	18		23 pH	6.8 MF		/32		/ CHLORI	DES	TODAY		MUD CO	CUM. 0	.00			RAGE ULATIVE	0.00		0.00	
MUD	salt gel	JGES		5			KER TYI	PE .	95	9.5	.5	.1	SCI	20 REENS	8500		CHANG	1180 SED		WATER		Ē	CUM	ULATIVE	57.0		0.00 57.0	
	FROM	ТО	HRS	CODE			IONA				DETA	ILS C	21 OF OPE		IN SEQUEN	CE				HYD			DAY	TIME BRI		_		/ Well)
		715 745	0.25 0.5	21 22	SAFE WAIT				RGE	R TO N	/AKE D	EC	ISION	I										1: RIG U 2: DRILL		VN		0.5 376.75
		815 1030	0.5 2.25	11 8	RIG D				S															3: REAN				42.25 133.0
	1030	1500 1515	4.5 0.25	6 21	_	IN H	OLE 8	CIRC	CIRC @ 2000FT'/5200FT'/ AND BOTTOMS UP															5: COND. & CIRC 6: TRIPS			9.25	100.0 258.5
	1515	1530	0.25	5	CIRC		<u>.u</u>															7: LUBRICATE RIG 8: REPAIR RIG			2.25	37.75		
	1630	1630 1830		5	CIRC	HOL	E CLI																	9: C/O DRILL LINE 10: DEVIATION			9.0	1.5 12.5
90	2215	2215 2300	0.75	6 11	TRIP (OR L	OG														11: WIRELINE LOG 12: RUN CSG & CMNT			9.0	133.25 21.75 33.5
TIME LC	2300	2315		21 11	SAFE	TY N	1EETI	NG																13: WAIT ON CEMENT 14: NIPPLE UP BOP				33.5 31.75 7.75
H																								15: TEST BOP 16: DRILL STEM TEST 17: PLUGBACK				2.25
																								18: SQU 19: FISH	EEZE (1.5	
																								20: DIR.			0.75	36.75
																							,				0.5	27.0 5.25
			1																				•					
																								OTHER Total H	ours		24.0	6.75 1270.25
	BIT#	SIZ	Œ.	TYPE		MAKE		S	ERIAL #	!	N	OZZL	ES		IN @	(OUT @	DR	RILLED	HRS	0.0	CUM. HF	RS			DITION	2-4.0	ROP
BITS																					0.0	0						
							l n	ımp 1		Pump 2	, I	Dur	mp 3	1 -	Dump 4		1 -	VDE I	OTDOV	- I Mar	0.0	0	IRS	Total UDG	LMAY	, Dei J	SPR ill Rate K	III (SDM)
PUMPS	De	epth		GPM	PRESSU	IRE	Line:	<u> </u>	M Li		SPM Li		SPN		er SPM		p 1 Q-Z		9IN 9IN	N/A	L	irer n	().00).00	NAM	K PSI K	Îl Rate	ILL (SPWI)
PUI																Pum	р 3	.9	311 4	IN/A	1			0.00				
3G	SIZE		WEIGHT	GRA	ADE I.D).	TJ O.	.D.	THR	EAD	# JN	TS	L	ENGTH	IN HOL	Pum E	ON RACE	(R	EPAIRS					LL STRING	REMA	ARKS		
LSTRG																				-								
DRLL																				† †								
()	LOCATION Co. No.	N .											NO.	DI	RILLING A	ASSEN	IBLY (I	вна)		O.D.	I.D.	LENG	ETH .				SURVE	
ENGINES	HRS TODA																							DEP	ТН	INC	L	AZM
ENC	HRS ON W	CHGE																										
	DELIVERE		AY						HOURS	; I	FUEL USE)																
UEL	On Hand Used Toda	ay		1066. -492.0			TODAY					4																
RIG FUEL	Used This			-1066		BOILI	BOILE	R #				\exists																
	DISTRIBU		LIBO	AST	TOTAL		VOLU	MES	FOOT	GE	TOTAL																	
MUD MTR	SERIA	L#	HRS I		TOTAL HRS	V	CUM. VELL H		FOOTA LAST		TOTAL FOOTAG	E																
MUL																												
(0	_		_	DESCRIP	TION			D	AY RT	STDB	Y HRL	Υ																
ITEMS												\exists													D	IRECTIO	ONS TO	
													NEI I.	O DOWN	DRILL	PIPE			STAN SING									
RENTAL												\exists	TOTAL		S / DD!! 1 07	OINIC.		ı						1				
	116==	10 -													S / DRILLSTI LAST INSPE						419.0	0		-	P	1==		
	USED 41	10 GAL	OF FU	JEL																FRO	M	ТО		CODE		LED PM	V	V.O.B.
RKS																											+	
EMA																											1	
REPORT REMARKS																				<u> </u>								
REPC																												

PIONEER OILFIELD SERVICES, LLC										MORNING REPORT DATE 20101120									15					WELL TYPE		
	LLNAME OM Ver	ificatio	n Well	#1						09-23									-10 12:30 5			DAYS FR SF	DOU	PROJECTE	O TD	
	OPERATOR ADM (ARCHER DANIEL MIDLAND)																			ART DATE DA -10 15:45 66			DAYS ON JOB EST. RELEASE			
RIG	MANAGE WOOI	ER			R		ONE NU				TORS REP		ITATIVE	cc	. MAN F	PH NO.		RELEAS	E DATE /	TIME		WEATHER S5D/SW	IND			
OPE	ERATIONS	6 @ REPC		DIDE I A	Y DOWN				INI								RATIONS			DI INININI		TUBEIN				
	ACCIDE	NTS OR	NEAR MIS		II DOWN	a C	AJLII	NO INC)N				# OF JS		SAFET	Y DAYS		TY RATE		G.P.S. CO	ORDINAT	ES	BOP TEST I			
ΤΥ	NONE SAFETY		3 TOPICS										# STOP 0	ARDS LAS	ST MEET	TING DAT	Ē			1 39.879 CROWN-O-1			10/29/10/ BOP DRILL			
SAFETY		G DOV			NING CA	SEIN		CREW	M / U		EXTRA C	REWS	/ WHY?	9/2	4AT7	00	OFF	ICE NOT		ES	S PAST 24		BOP DRILL	DATE / TIM	IE .	
0,					1				1						1					4.00	_		DIO O	00T0		
OPS	CURREN [*]		0	AGE LAST	0.0			T. HRS		X. GAS			CONN. G		AS	9 5/8	ASING S		5320				S&R	COSTS R RENTAL		
ō	ноокьо 155	AD		10KUP WI 55	EIGHT	155	ACKOFF 5	=		0TATING 55	3	R	OTARY TO	QUE		NEXT C	CASING S	SIZE & SE 	T DEPTH		DAI	LY				
	Time	Mud W	/t IN / Ol	JT Funn	el Vis PV		YLD PT	10 S (GEL 10 N	I GEL F	I. Loss	FILT C	K HTHP	L HTTP	FC	TODAY	FUEL	ADDED C	TO MUD :UM. 0. (00	AVE	RAGE	0.00	0.0	0	
MUD	Mud Type			% SOLIDS	6 % LCM %	SAND	% OI	IL % 95	_	ьн).5		PF 1	CALCIUI 20	CHLORID	ES	DAILY	N	MUD COS	STS	4239.50	CUI	MULATIVE	0.00	0.0	0	
2	CENTRIF		[;	5			I R TYPE ONAL		<u> </u>		<u> .</u> 5 .	s	CREENS 210	[8300		CHANG	ED	v	WATER SO HYD			IULATIVE	58.0	58.	0	
	FROM	ТО	HRS	CODE		AIR	JNAL				DETAILS			IN SEQUENC	E				סוו		DAT		EAKDOWN		y / Well)	
	700 715	715 1500	0.25 7.75	21 11	SAFET LOGGI				F													1: RIG U	P / DOWN		0.5 376.75	
	1500	1515	0.25	21	SAFET																	3: REAM	ING		42.25	
	1515 2300	2300 2315	7.75 0.25	11 21	LOGGI SAFET				IOLE.	RETR	EIVED 1	20 C	ORES									4: CORIN	. & CIRC	2.0	133.0 102.0	
	2315	0100	1.75	11	WIREL																	6: TRIPS	CATE RIG	4.0	262.5	
	0100 0400	0400 0430		5	T.I.H.	CIR	CUL A	ATION	L CIR	CIII A	TF 20 M	IIN S	TAND 55									8: REPA	IR RIG RILL LINE		37.75 1.5	
	0430	0530	1.0	6	T.I.H						11 20 11		I AIV O									10: DEVI	ATION	17.25	12.5 150.5	
	0530	0700	1.5	5	CONDI	TION	MUD	& CIF	RCULA	TE													CSG & CMN		21.75	
TIME LOG																							ON CEMENT	Г	33.5 31.75	
TIM																						15: TEST		-	7.75	
																						17: PLUC			2.25 1.5	
																						19: FISH	ING		1.0	
																						20: DIR.	WORK	0.75	37.5	
																									27.0 5.25	
																						OTHER			6.75	
	BIT#	SIZ	ZE	TYPE	N	IAKE		SEF	RIAL#		NOZ	ZLES		IN @	Ol	JT @	DRIL	LED	HRS	CUN	VI. HRS	Total H	OURS CONDITIO	24.0 N	1294.25 R O P	
BITS																				0.00						
			l l							1										0.00						
B																										
	П	Depth		GPM	PRESSUR	E	Pun			ump 2		ump 3		ump 4				STROKE		0.00	HRS		MAX PSI	SPR Kill Rate	KILL (SPM)	
	D)epth		GPM	PRESSUR		Liner	np 1 SPM					PM Lin			TY 1 Q-Z9 2 Q-Z9	9 9	STROKE DIN	Manu N/A N/A	0.00		Total HRS 0.00 0.00	MAX PSI	SPR Kill Rate	KILL (SPM)	
PUMPS B	C	Depth		GPM	PRESSUR		Liner		Line						Pump	1 Q-Z9 2 Q-Z9 3	9 9	IN	N/A	0.00		0.00 0.00 0.00	MAX PSI	SPR Kill Rate	KILL (SPM)	
PUMPS	SIZE		WEIGHT	GPM GRAD		6	Liner	SPM	Line	r SPI		r SI			Pump Pump	1 Q-Z9 2 Q-Z9 3	9 9	IN	N/A	0.00		0.00 0.00 0.00 0.00	6 MAX PSI	SPR Kill Rate	KILL (SPM)	
PUMPS			WEIGHT			6	Liner	SPM	Line	r SPI	M Line	r SI	PM Lin	er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9 9	IN IN	N/A	0.00		0.00 0.00 0.00 0.00		SPR Kill Rate	KILL (SPM)	
RLLSTRG PUMPS			WEIGHT			6	Liner	SPM	Line	r SPI	M Line	r SI	PM Lin	er SPM	Pump Pump	1 Q-Z9 2 Q-Z9 3 4	9 9	IN IN	N/A	0.00		0.00 0.00 0.00 0.00		SPR Kill Rate	KILL (SPM)	
		<u> </u>	WEIGHT			6	Liner	SPM	Line	r SPI	M Line	r SF	PM Line LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	IN IN	N/A	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING				
DRLLSTRG PUMPS	SIZE LOCATIO Co. No.	E DN	WEIGHT			6	Liner	SPM	Line	r SPI	M Line	r SI	PM Line LENGTH	er SPM	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	IN IN	N/A N/A	0.00 ufacturer		0.00 0.00 0.00 0.00 ILL STRING	PEVIATIO			
DRLLSTRG PUMPS	SIZE	DN DAY	WEIGHT			6	Liner	SPM	Line	r SPI	M Line	r SF	PM Line LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	IN IN	N/A N/A	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING	PEVIATIO	N SURV	EYS	
RLLSTRG PUMPS	LOCATIO Co. No.	DN DAY WELL ST CHGE	WEIGHT			6	Liner	SPM	Line	r SPI	M Line	r SF	PM Line LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	IN IN	N/A N/A	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING	PEVIATIO	N SURV	EYS	
ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON HRS LAS AVERAG	DN DAY WELL ST CHGE GE KVA		GRAD	DE I.D.		TJ O.D.	SPM	Line	D D	M Line	r SF	PM Line LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	IN IN	N/A N/A	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING	PEVIATIO	N SURV	EYS	
ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS AS	DAY WELL ST CHGE BE KVA		GRAD	DE I.D.	6	TJ O.D.	SPM	THREA	D D	# JNTS	r SF	PM Line LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	IN IN	N/A N/A	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING	PEVIATIO	N SURV	EYS	
ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS LAS AVERAG DELIVER On Hand Used To Used Th	DN DAY WELL ST CHGE GE KVA RED TODA I day is Well		GRAD	DE I.D.	SOILER	TJ O.D. TODAY WELL BOILER	SPM	THREA	D D	# JNTS	r SF	PM Line LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	IN IN	N/A N/A	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING	PEVIATIO	N SURV	EYS	
DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOD HRS ON HRS LAS AVERAG DELIVER On Hand Used To	DAY WELL ST CHGE GE KVA RED TODA day is Well and		861.00 205.00	DE I.D.	BOILER	TJ O.D.	SPM	THREA	D D	# JNTS	r SF	PM Line LENGTH	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	IN IN	N/A N/A	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING	PEVIATIO	N SURV	EYS	
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATIO Co. No. HRS TOE HRS ON HRS LAS AVERAG DELIVER On Hand Used To Used Th Fuel Bra	DAY WELL ST CHGE GE KVA day is Well and UTOR		861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO	SPM	THREA	FU	# JNTS	r SF	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	IN IN	N/A N/A	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING	PEVIATIO	N SURV	EYS	
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION CO. NO. HRS TOD HRS LASS AVERAGE ON HANCOUSED TO USED	DAY WELL ST CHGE GE KVA day is Well and UTOR	AY HRS L	861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM	THREA HOURS	FU	# JNTS	r SF	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	IN IN	N/A N/A	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING	PEVIATIO	N SURV	EYS	
RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION CO. NO. HRS TOD HRS LASS AVERAGE ON HANCOUSED TO USED	DAY WELL ST CHGE GE KVA day is Well and UTOR	HRS L	861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM	HOURS OOTAGE	FU	# JNTS # JNTS TOTAL OOTAGE	r SF	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	IN IN	N/A N/A	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING	PEVIATIO	N SURV	EYS	
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION CO. NO. HRS TOD HRS LASS AVERAGE ON HANCOUSED TO USED	DAY WELL ST CHGE GE KVA day is Well and UTOR	HRS L	861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM	HOURS OOTAGE	FU	# JNTS	r SF	PM Line	IN HOLE	Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	IN IN	N/A N/A	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING	PEVIATIO	N SURV	EYS	
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION CO. NO. HRS TOD HRS LASS AVERAGE ON HANCOUSED TO USED	DAY WELL ST CHGE GE KVA day is Well and UTOR	HRS L	861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM	HOURS OOTAGE	FU	# JNTS # JNTS TOTAL OOTAGE	r SF	PM Line	IN HOLE	Pump Pump SSEME	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	PAIRS	O.D.	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING	DEVIATIO TH IN	N SURV	EYS	
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION CO. NO. HRS TOD HRS LASS AVERAGE ON HANCOUSED TO USED	DAY WELL ST CHGE GE KVA day is Well and UTOR	HRS L	861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM	HOURS OOTAGE	FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH DI	IN HOLE	Pump Pump SSEME	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	IN IN	O.D.	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING	DEVIATIO TH IN	N SURV	EYS	
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION CO. NO. HRS TOD HRS LASS AVERAGE ON HANCOUSED TO USED	DAY WELL ST CHGE GE KVA day is Well and UTOR	HRS L	861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM	HOURS OOTAGE	FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LENGTH LENGTH LY DOWN AL	IN HOLE ORILL F	Pump Pump SSEME	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	PAIRS	O.D.	0.00 ufacturer	DR	0.00 0.00 0.00 0.00 ILL STRING	DEVIATIO TH IN	N SURV	EYS	
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION CO. NO. HRS TOD HRS LASS AVERAGE ON HANCOUSED TO USED	DAY WELL ST CHGE GE KVA day is Well and UTOR	HRS L	861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM	HOURS OOTAGE	FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LY DOWN AL of COLLAR:	IN HOLE	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	PAIRS	O.D. DS ES	I.D. L	DR	0.00 0.00 0.00 0.00 ILL STRING	DEVIATIO TH IN	N SURV	EYS	
MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD HRS LAS AVERAGE On Hand Used To Used The Fuel Bra DISTRIB	DN DAY WELL ST CHGE GE KVA day is Well and UTOR AL #	HRS L	861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM	HOURS OOTAGE	FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LY DOWN AL of COLLAR:	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	PAIRS	O.D. DS LES	I.D. L	DR DR	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEVIATIO TH IN	N SURV	EYS	
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD HRS LAS AVERAGE On Hand Used To Used The Fuel Bra DISTRIB	DN DAY WELL ST CHGE GE KVA day is Well and UTOR AL #	HRS L	861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM	HOURS OOTAGE	FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LY DOWN AL of COLLAR:	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	PAIRS	O.D. DS ES	I.D. L	DR .ENGTH	0.00 0.00 0.00 0.00 ILL STRING	DEVIATIO TH IN	N SURV	EYS	
KS RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD HRS LAS AVERAGE On Hand Used To Used The Fuel Bra DISTRIB	DN DAY WELL ST CHGE GE KVA day is Well and UTOR AL #	HRS L	861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM	HOURS OOTAGE	FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LY DOWN AL of COLLAR:	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	PAIRS	O.D. DS LES	I.D. L	DR DR	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEVIATIO TH IN	N SURV	EYS	
KS RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD HRS LAS AVERAGE On Hand Used To Used The Fuel Bra DISTRIB	DN DAY WELL ST CHGE GE KVA day is Well and UTOR AL #	HRS L	861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM	HOURS OOTAGE	FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LY DOWN AL of COLLAR:	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	PAIRS	O.D. DS LES	I.D. L	DR DR	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEVIATIO TH IN	N SURV	EYS	
KS RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD HRS LAS AVERAGE On Hand Used To Used The Fuel Bra DISTRIB	DN DAY WELL ST CHGE GE KVA day is Well and UTOR AL #	HRS L	861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM	HOURS OOTAGE	FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LY DOWN AL of COLLAR:	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	PAIRS	O.D. DS LES	I.D. L	DR DR	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEVIATIO TH IN	N SURV	EYS	
RENTAL ITEMS MUD MTR RIG FUEL ENGINES DRLLSTRG PUMPS	LOCATION Co. No. HRS TOD HRS LAS AVERAGE On Hand Used To Used The Fuel Bra DISTRIB	DN DAY WELL ST CHGE GE KVA day is Well and UTOR AL #	HRS L	861.00 205.00 -861.00	DE I.D.	BOILER	TJ O.D. TODAY WELL BOILER BLOWDO VOLUME CUM.	SPM	HOURS OOTAGE	FU	# JNTS # JNTS TOTAL OOTAGE	NO.	LY DOWN AL of COLLAR:	IN HOLE ORILL F	Pump Pump Pump Pump Pump Pump Pump Pump	0 1 Q-Z9 0 2 Q-Z9 0 3 0 4	9 9 9 9	PAIRS	O.D. DS LES	I.D. L	DR DR	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DEVIATIO TH IN	N SURV	EYS	

WE Al	IONEER O ELLNAME DM Verification ERATOR	on Well #	#1		, LI	LC			COUNT	DESCRIPTI		NG F	REPOF	RT	DATE 2010	01121 E	SPUD DA' 09-23-1 JOB STAF	10 12 RT DATE	ie 2:30	TYPE	DAYS F	FR SPL		WELL TYPE PROJECTE	O TD
RIG	DM (ARCHER MANAGER	IONE NU														VEATHER									
ОР	WOOD ERATIONS @ REP		10	61	18-9	943-005	OPERATIONS NEX									S NEXT 24	24 HRS				35D/ S WIND				
R	ACCIDENTS OF						# OF JSA'S RIG SAFETY DAYS SAFETY RATE										G.P.S. COORDINATES								
ETY	NONE SAFETY MEETIN											3 # STOP 0			ING DAT	Ē			CROWN-C	8796 W -88.8934 N-O-MATIC CHECKED				1100/250 DATE / TIN	
SAF	RUN CASEI			G CASEIN BY / TITLE	NG		CREW M	// U	—	EXTRA C	REWS /	WHY?	9/2	4AT70	00	OF	ICE NOTI	FIED	YES MANHOU	RS PAST	T 24 BOP DRILL DA			DATE / TIN	IE
	CURRENT DEPTI	н Гооти	AGE LAST	24 PEN. RA	TE	ROT	T. HRS		AX. GAS	BCKGR	GAS	CONN. G	AS TRIP G	AS	LAST C	ASING S	SIZE & SET		142.00				RIG COSTS		
OPS	HOOKLOAD	0	ICKUP WE	0.0		ACKOFF			ROTATING		ROTARY TORQUE							5320					S&R		RENTAL
0	155		55		15	55	155 5 1/2 7264								264 DA		DAILY	ILY							
													TODAY					CUM. 0.00			VERAGE	RAGE 0.00		0.0	0
MUD	Mud Type salt gel	5		% LCM % :			95	1 '	9.5 .5 .1			PF CALCIUM CHLORIDES 1 8500			DAILY			JM. 2 (04239.5	0	UMULAT		0.00	0.0	0
	CENTRIFUGES					ER TYPE ONAL						REENS			CHANG	ED		ATER S	OURCE		UMULATI AYS	VE	59.0	59.	0
	FROM TO 715	0.25	CODE 21	SAFETY	′ MI	EETIN	G			DETAILS	OF OPE	RATIONS	IN SEQUENC	E							_		/ DOWN	(Toda	oy / Well)
	715 845	1.5	5	CONDIT	101	N MUD		CUL/	ATE												2: D	RILLIN	NG		376.75 42.25
	845 1500 1500 1515	<u> </u>																			4: C	3: REAMING 4: CORING			133.0
	1515 2030		22				AND COLLARS AND KELLY AND SWIVEL														•	5: COND. & CIRC 6: TRIPS			103.5 262.5
	2030 2300	2.5	12	RIG UP	10	KUN C	CASING															7: LUBRICATE RIG 8: REPAIR RIG			37.75
	2300 2315	0.25	21	SAFETY	/ Мі	EFTIN																9: C/O DRILL LINE 10: DEVIATION			1.5 12.5
/B	2315 2330	0.25	12	WAIT O	N C	ASEIN	IG CRE		MOVE (CHROM	E TUE	BING OI	N RACKS								11:	WIREL	LINE LOG	10.25	150.5 32.0
FOG	2330 145 145 700	2.25 5.25	12 12	RIG UP					IG												13:	WAIT (ON CEMEN		33.5 31.75
TIME											_							_			15:	14: NIPPLE UP BOP 15: TEST BOP			7.75
																						DRILL PLUGE	STEM TES		2.25
																							EZE CMNT		1.5
																					20:	DIR. W	/ORK	0.75	38.25
																								11.5	38.5 5.25
																									0.20
																					ОТН	I ER			6.75
	BIT# S	SIZE	TYPE	I MA	AKE		SER	IAL#	I	NOZZ	LES		IN @	OU	JT @	DRII	LLED	HRS	l cı	UM. HRS		al Ho	ours CONDITIC	24.0 N	1318.25 ROP
ည	211111						02.11								,			10	0.00						
BITS																			0.00			<u> </u>			
	Donth		GPM	PRESSURE		Pum	ıp 1	P	Pump 2	Pu	ımp 3	F	Pump 4		TY	PE	STROKE	Man	0.00 ufacture	r HRS	S Total	HRS	MAX PSI	SPR Kill Rate	KILL (SPM)
PUMPS	Depth		GFW	PRESSURE		Liner 6	SPM	Line	er SPM	M Liner	SP	M Line	er SPM	Pump Pump	1 Q-Z9 2 Q-Z9		NIO NIO	N/A N/A			0.00				
PU														Pump	3						0.00				
ŋ	SIZE	WEIGHT	GRADI	E I.D.		TJ O.D.		THREA	AD.	# JNTS		LENGTH	IN HOLE	Pump	N RACK	RE	PAIRS					RING	REMARKS		
STRG-																									
DRLL																									
	LOCATION								$\overline{}$		NO.	l n	RILLING AS	SEME	RIV/R	ι ΙΛ)		O.D.	I.D.	LENGTH		DI	FVIATIO	N SURV	'FYS
ES	Co. No.										NO.	Di	KILLING A	JOLIVIL	DET (D	nia)		O.D.	I.D.	LENGII		DEPT		NCL	AZM
ENGINES	HRS TODAY HRS ON WELL																								
Ē	HRS LAST CHGE	E			-																-				
	DELIVERED TO	DAY					Н	OURS	FU	EL USED															
UEL	On Hand Used Today		410.00 451.00		띪	TODAY WELL	<u> </u>		 _																
RIG FUEL		,	-410.00		딣	BOILER #			 _												=				
	Used This Well Fuel Brand		-410.00		-	BLOWDO VOLUME)WN ES																		
	Used This Well Fuel Brand DISTRIBUTOR		-410.00							TOTAL DOTAGE															
	Fuel Brand	HRS L/		TOTAL HRS		CUM. ELL HRS		OOTAGE AST 24	FC	OUTAGE	_	Í									1		1	1	
	Fuel Brand DISTRIBUTOR			TOTAL		CUM.			F(OUTAGE															
	Fuel Brand DISTRIBUTOR	24	AST	TOTAL HRS		CUM.		AST 24	STDBY	HRLY															
MUD MTR	Fuel Brand DISTRIBUTOR	24		TOTAL HRS		CUM.	S LA	AST 24																	
ITEMS MUD MTR	Fuel Brand DISTRIBUTOR	24	AST	TOTAL HRS		CUM.	S LA	AST 24					DDU : T	IDE			STANF	os					DIREC	TIONS TO	
ITEMS MUD MTR	Fuel Brand DISTRIBUTOR	24	AST	TOTAL HRS		CUM.	S LA	AST 24			KEII	Y DOMAN	DRILL P	IPE			STANE						DIREC	TIONS TO	
MUD MTR	Fuel Brand DISTRIBUTOR	24	AST	TOTAL HRS		CUM.	S LA	AST 24			TOTA												DIREC	TIONS TO	
ITEMS MUD MTR	Fuel Brand DISTRIBUTOR	24	AST	TOTAL HRS		CUM.	S LA	AST 24			TOTA	L f COLLAR	DRILL P	NG					419.0				DIREC	TIONS TO	
ITEMS MUD MTR	Fuel Brand DISTRIBUTOR SERIAL #	D	ESCRIPTIO	TOTAL HRS		CUM.	S LA	AST 24			TOTA	L f COLLAR	S / DRILLSTRI	NG						ТО	DEP [*]		DIREC	0	W.O.B.
RENTAL ITEMS MUD MTR	Fuel Brand DISTRIBUTOR	D	ESCRIPTIO	TOTAL HRS		CUM.	S LA	AST 24			TOTA	L f COLLAR	S / DRILLSTRI	NG				ES		ТО			DRILLE	0	W.O.B.
RENTAL ITEMS MUD MTR	Fuel Brand DISTRIBUTOR SERIAL #	D	ESCRIPTIO	TOTAL HRS		CUM.	S LA	AST 24			TOTA	L f COLLAR	S / DRILLSTRI	NG				ES		ТО			DRILLE	0	W.O.B.
RENTAL ITEMS MUD MTR	Fuel Brand DISTRIBUTOR SERIAL #	D	ESCRIPTIO	TOTAL HRS		CUM.	S LA	AST 24			TOTA	L f COLLAR	S / DRILLSTRI	NG				ES		ТО			DRILLE	0	W.O.B.
RENTAL ITEMS MUD MTR	Fuel Brand DISTRIBUTOR SERIAL #	D	ESCRIPTIO	TOTAL HRS		CUM.	S LA	AST 24			TOTA	L f COLLAR	S / DRILLSTRI	NG				ES		ТО			DRILLE	0	W.O.B.
ITEMS MUD MTR	Fuel Brand DISTRIBUTOR SERIAL #	D	ESCRIPTIO	TOTAL HRS		CUM.	S LA	AST 24			TOTA	L f COLLAR	S / DRILLSTRI	NG				ES		ТО			DRILLE	0	W.O.B.
RENTAL ITEMS MUD MTR	Fuel Brand DISTRIBUTOR SERIAL #	D	ESCRIPTIO	TOTAL HRS		CUM.	S LA	AST 24			TOTA	L f COLLAR	S / DRILLSTRI	NG				ES		ТО			DRILLE	0	W.O.B.

DataHub EDR Log

OPERATOR: ADM (Archer Daniel Midland) **WELL:** ADM Verification Well #1

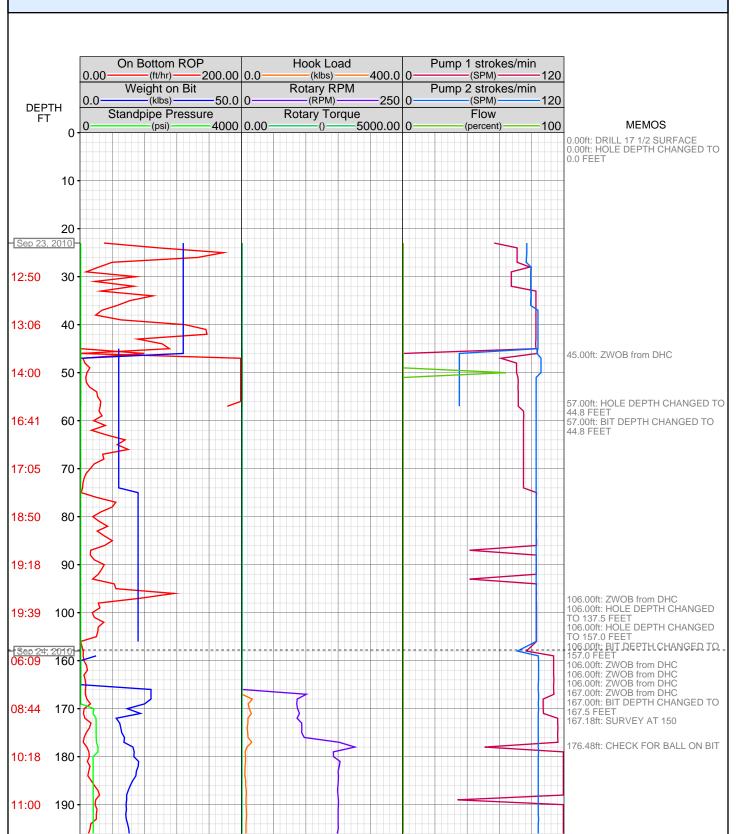
FIELD: LOCATION: COUNTRY: USA

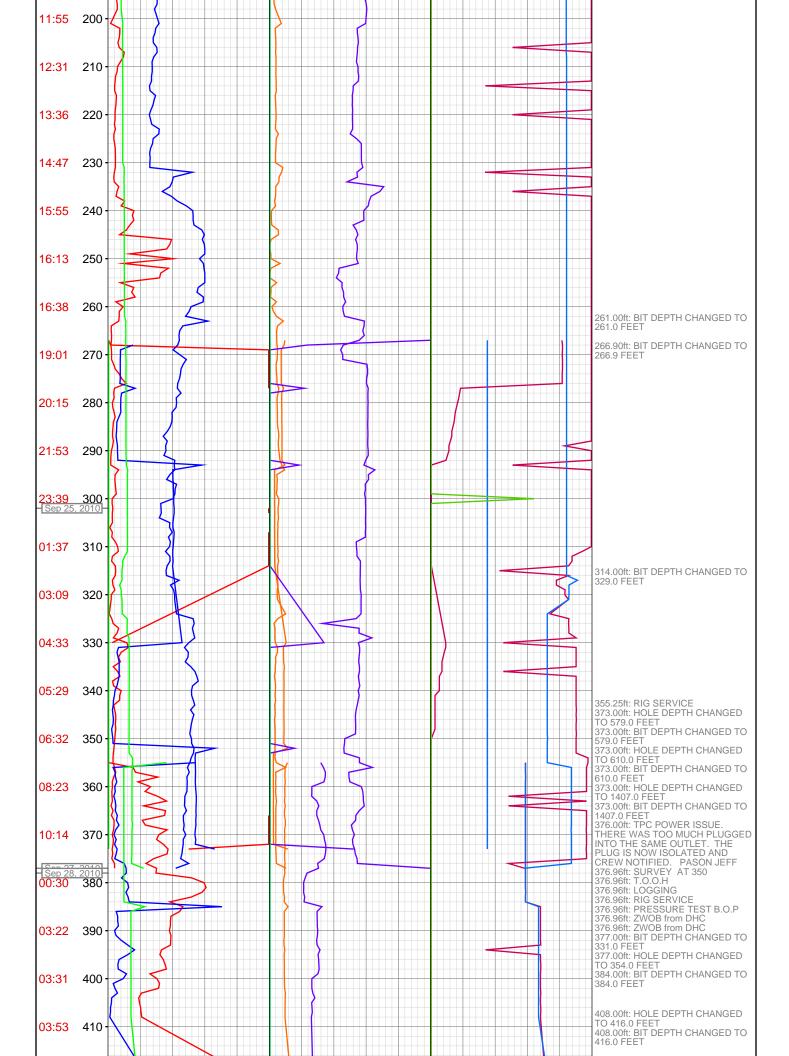
RIG: Pioneer Oilfld 15

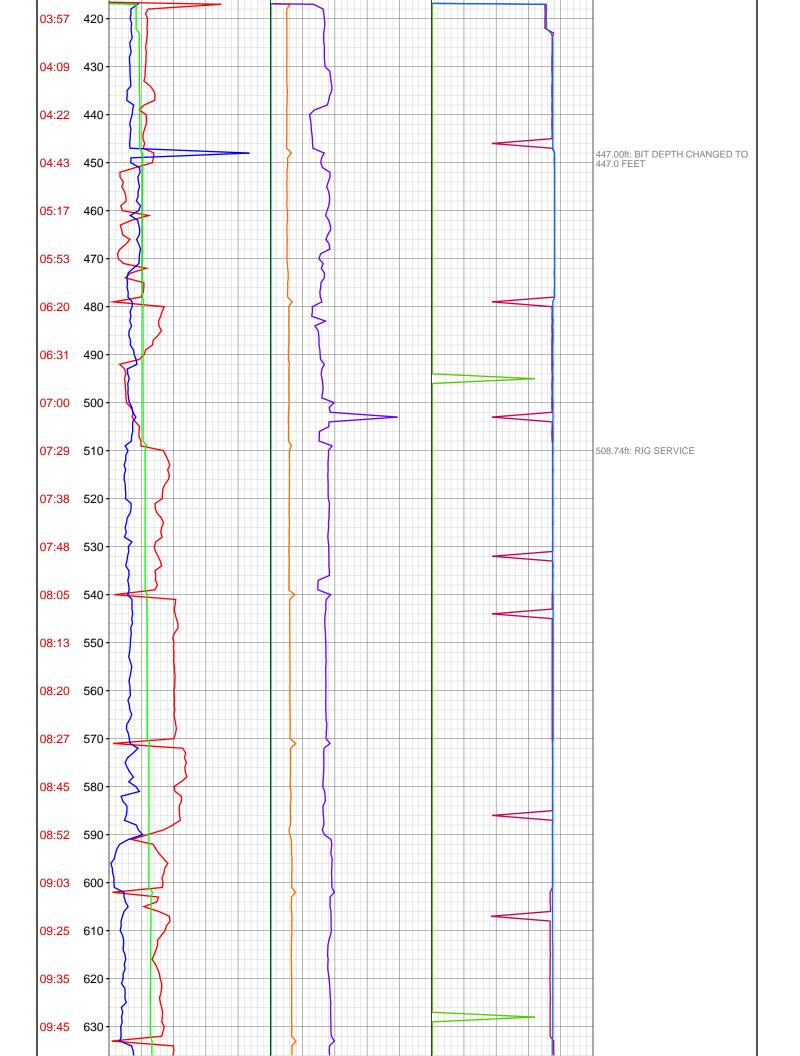
CONTRACTOR: Pioneer Oilfield Services, LLC

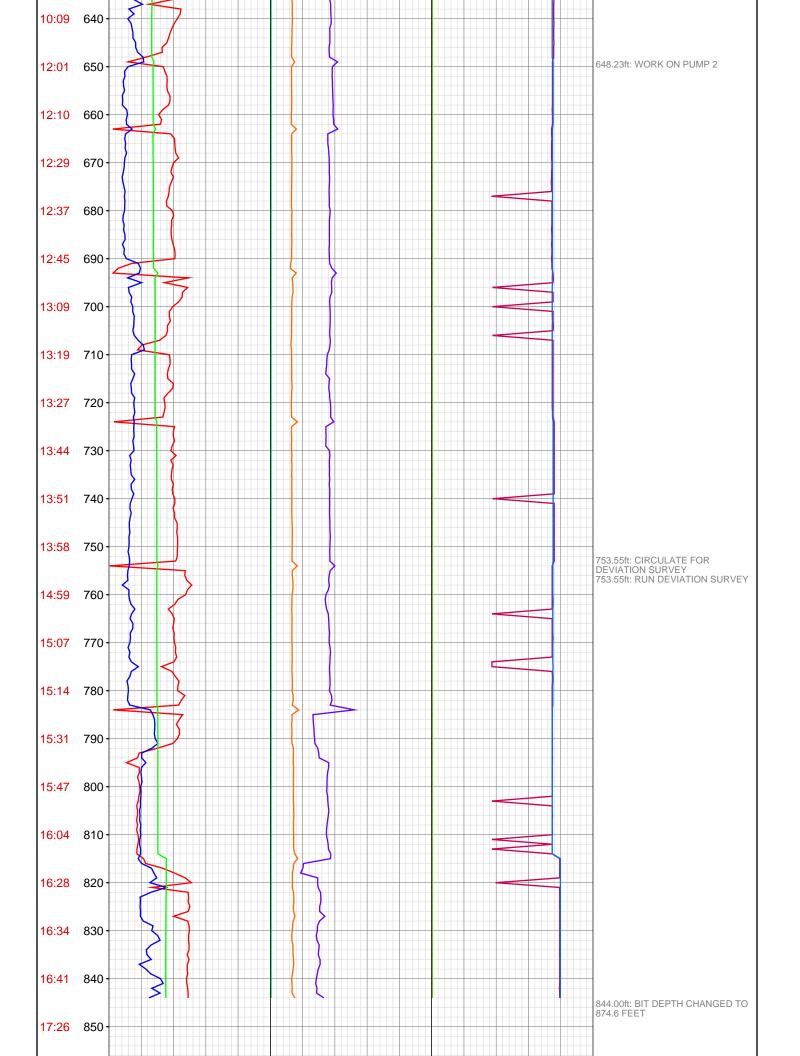
UNIQUE WELL ID:

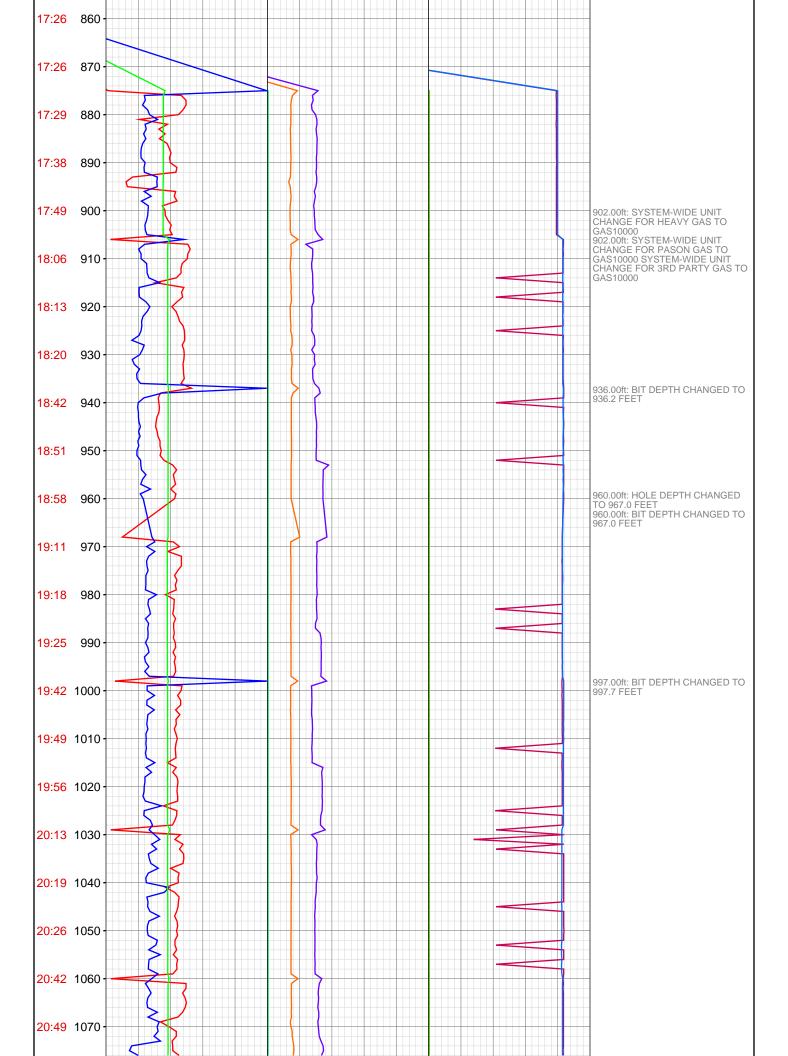
SPUD DATE: Sep 23, 2010 12:30 **RELEASE DATE:** Nov 22, 2010 06:37

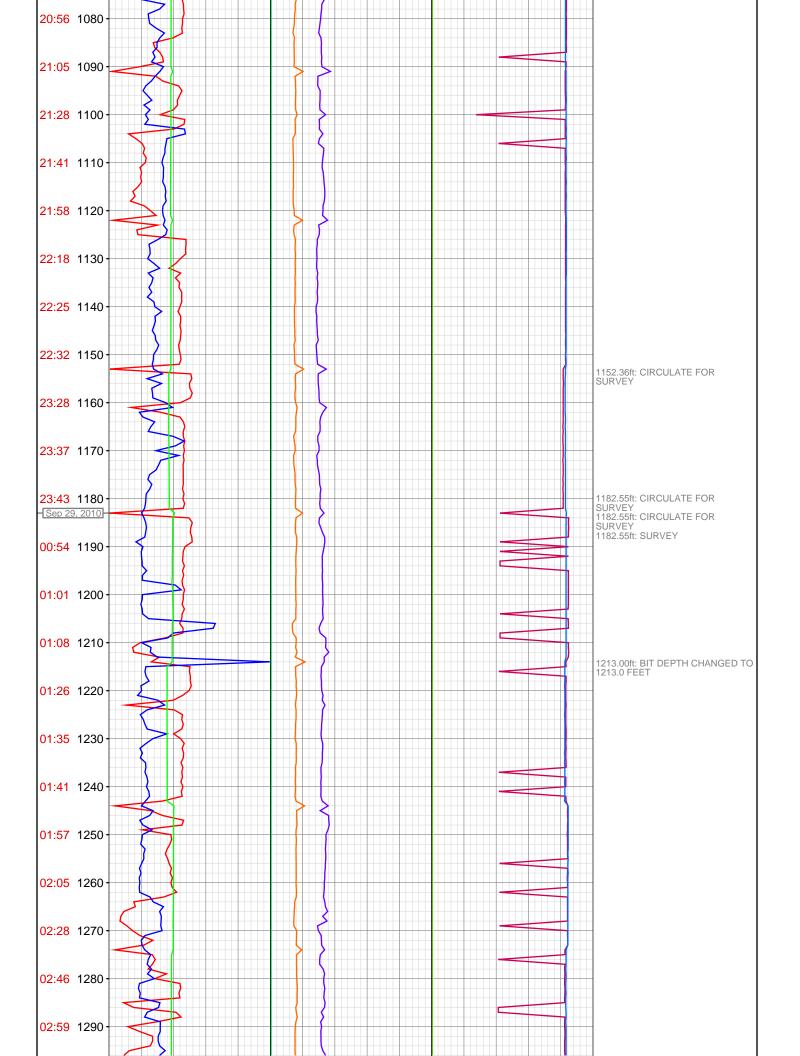


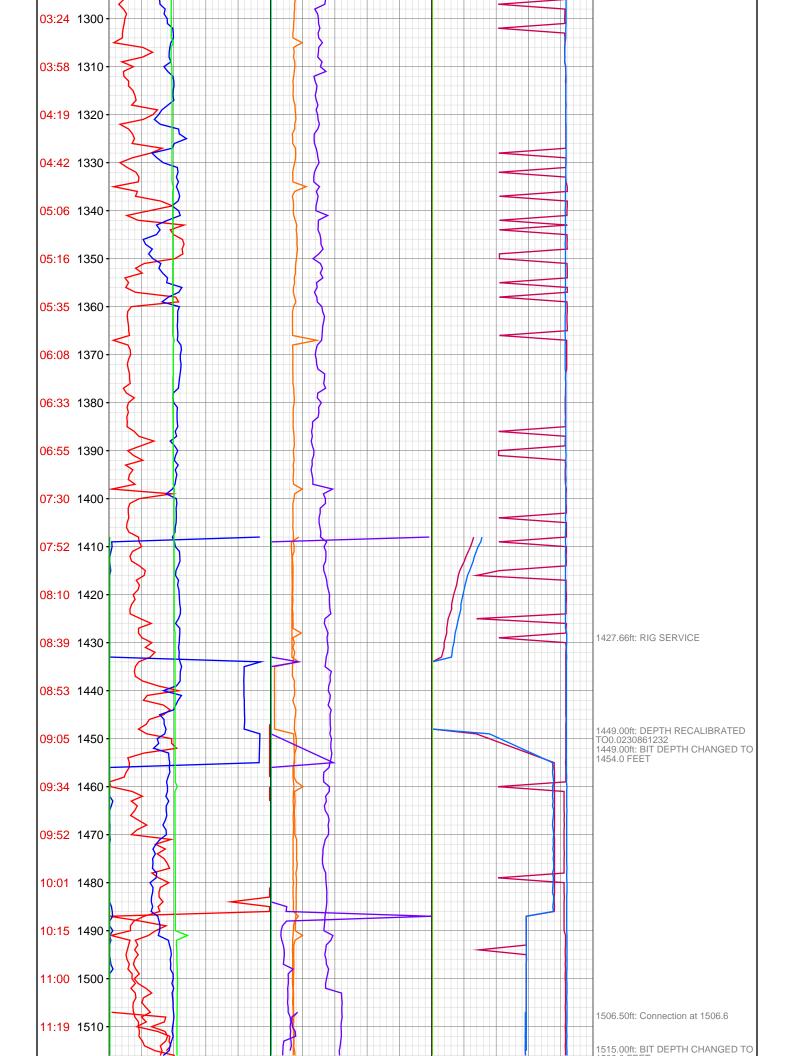


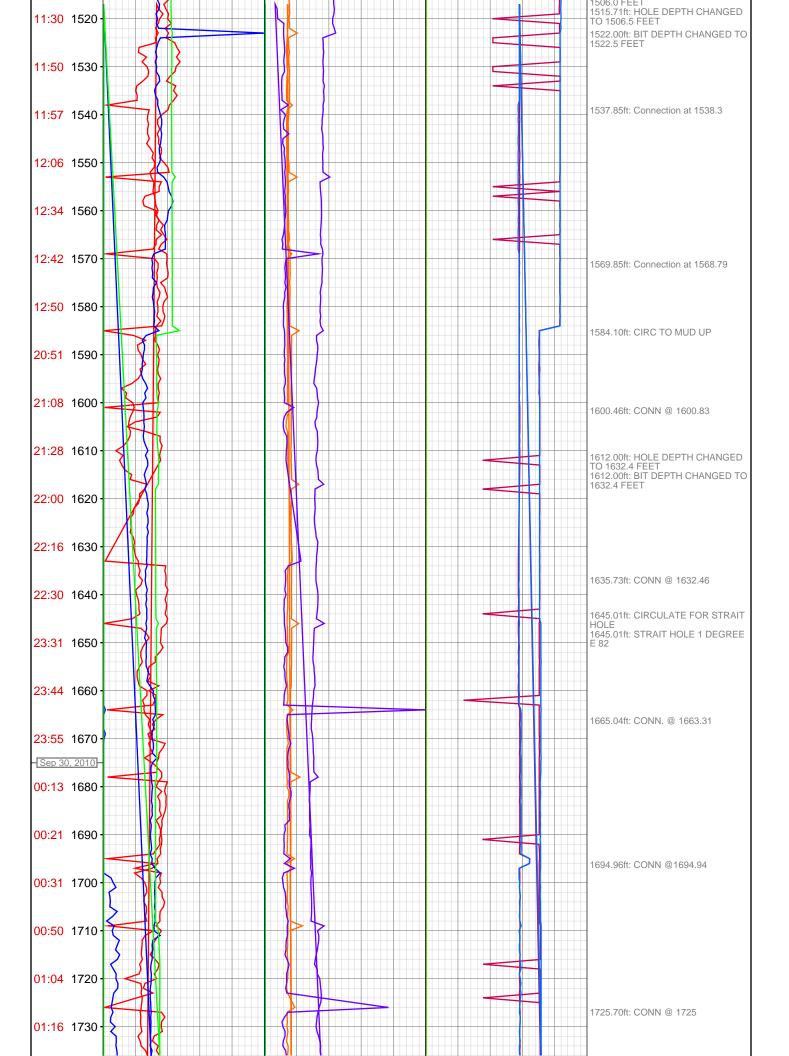


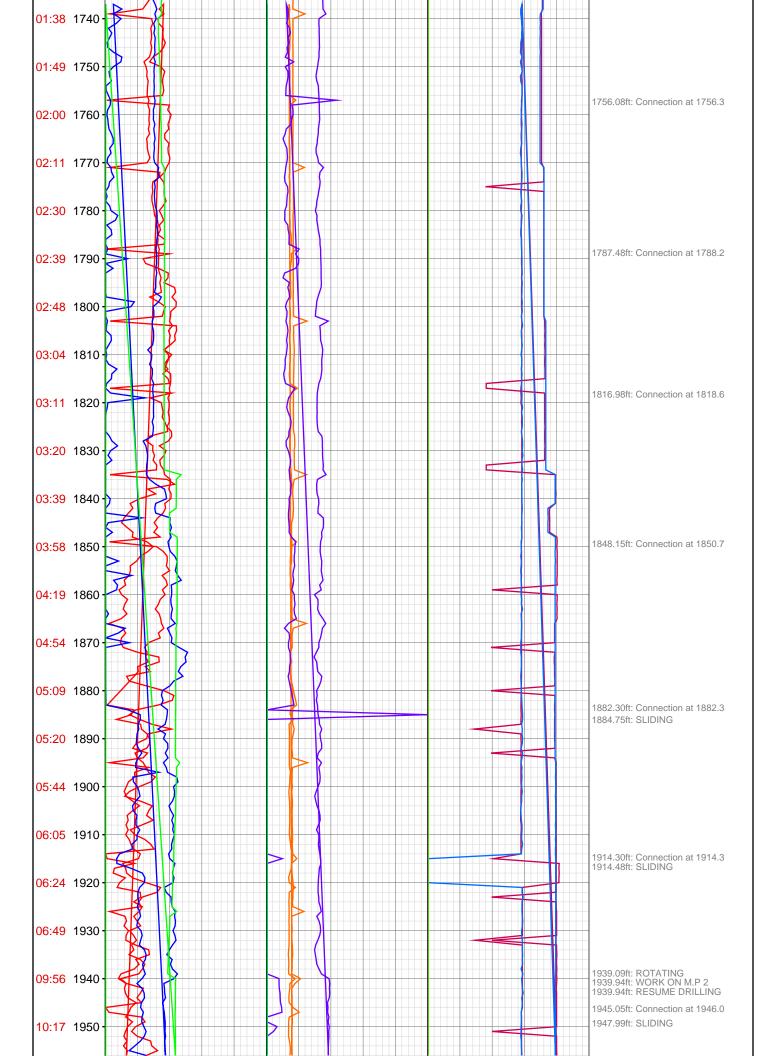


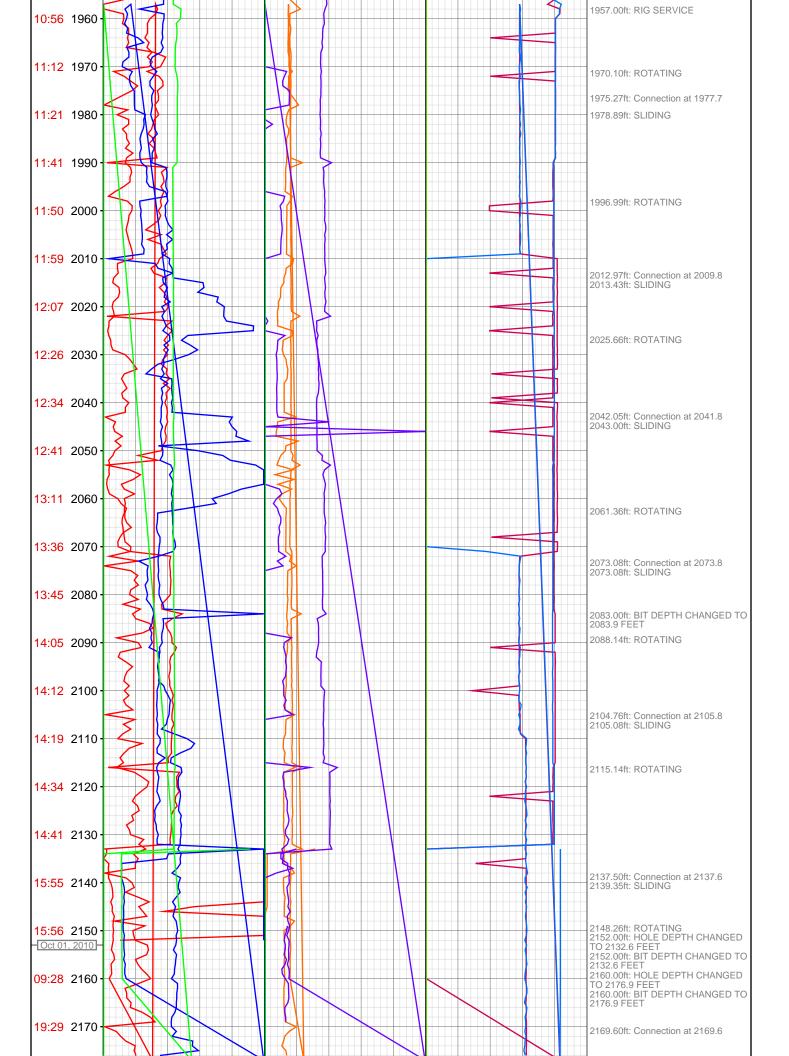


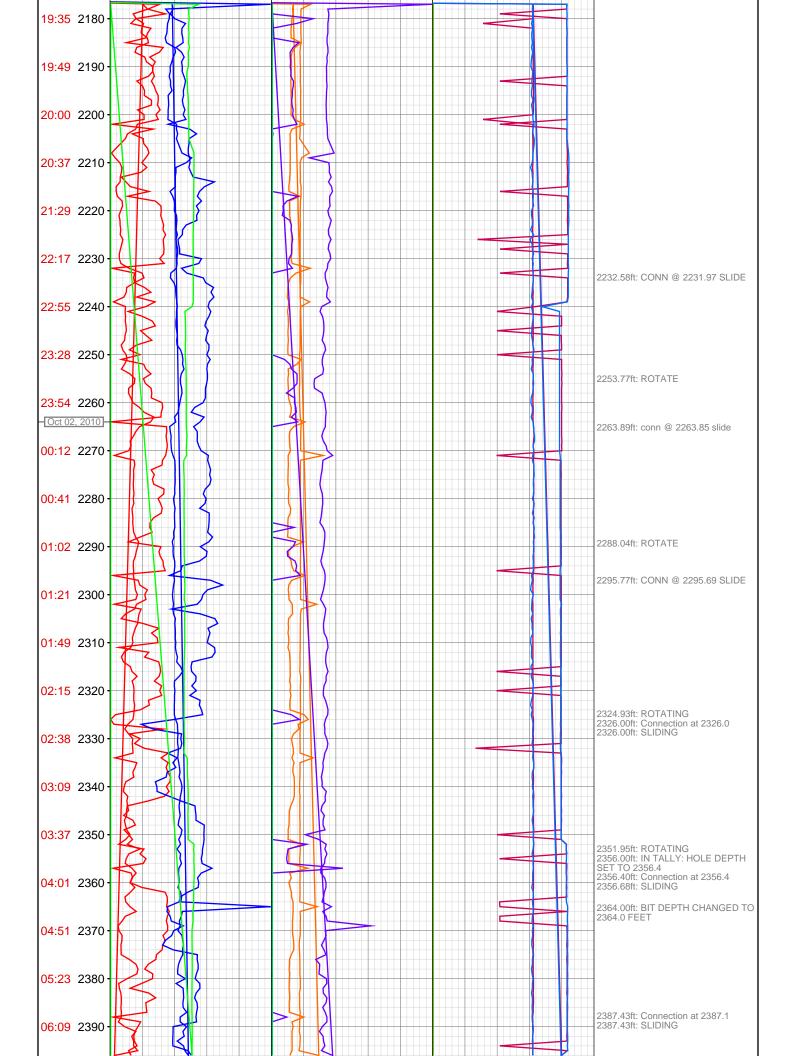


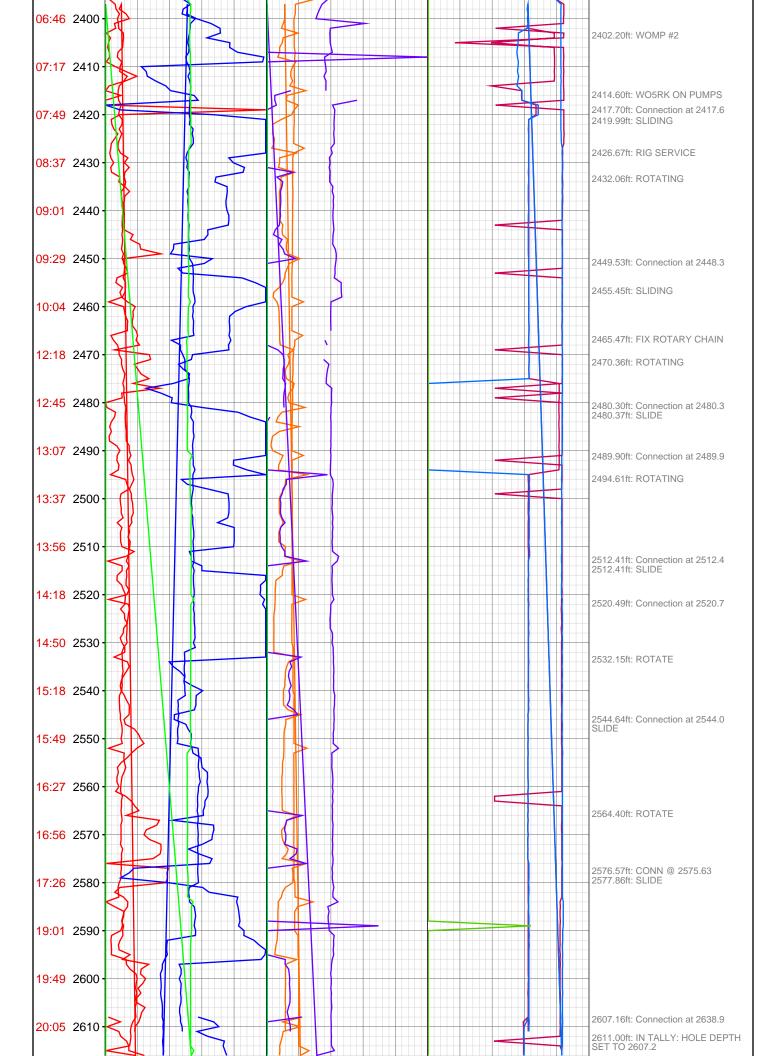


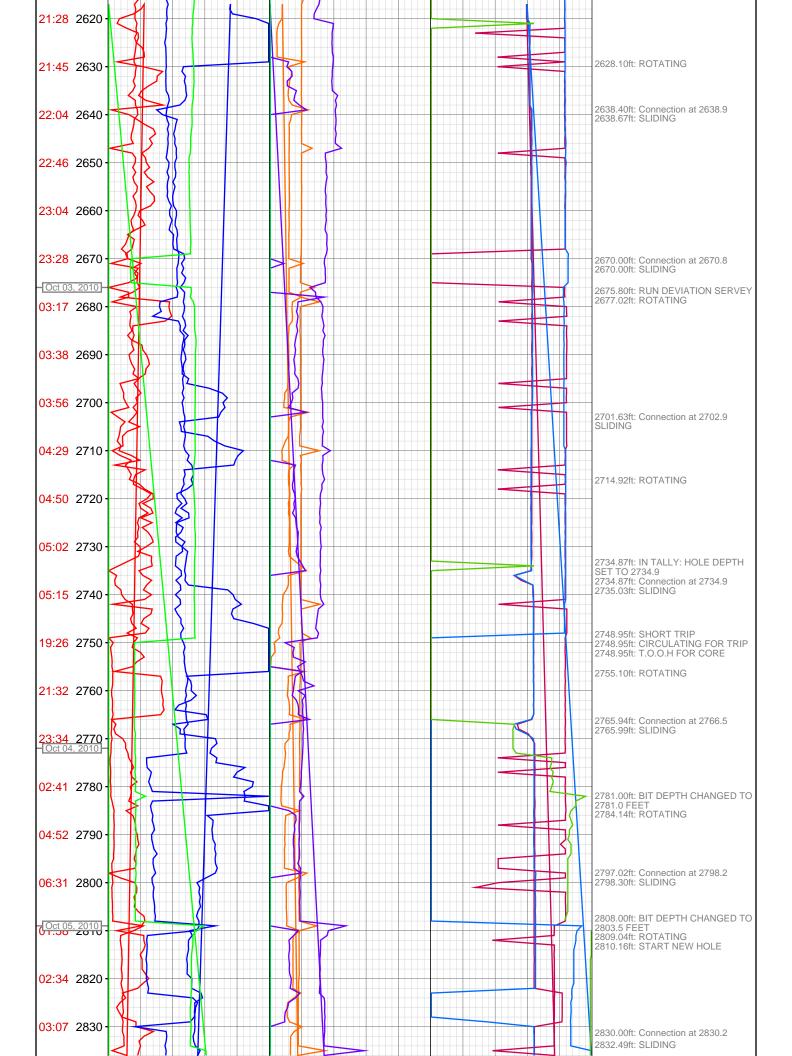


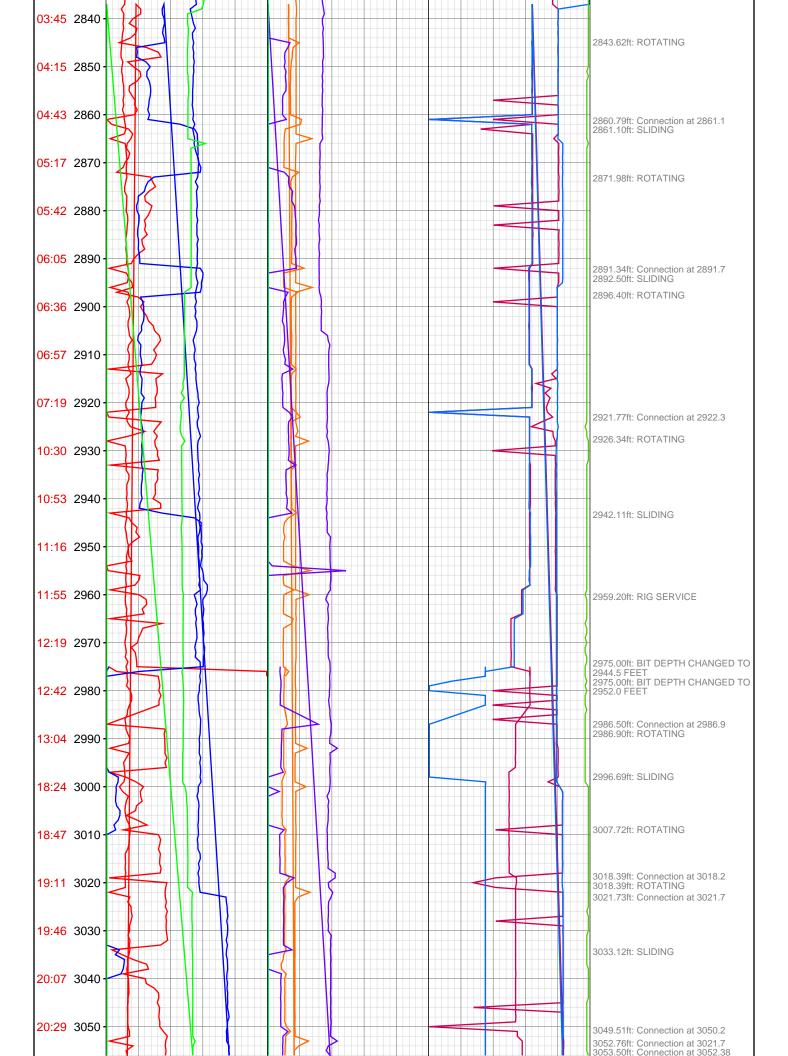


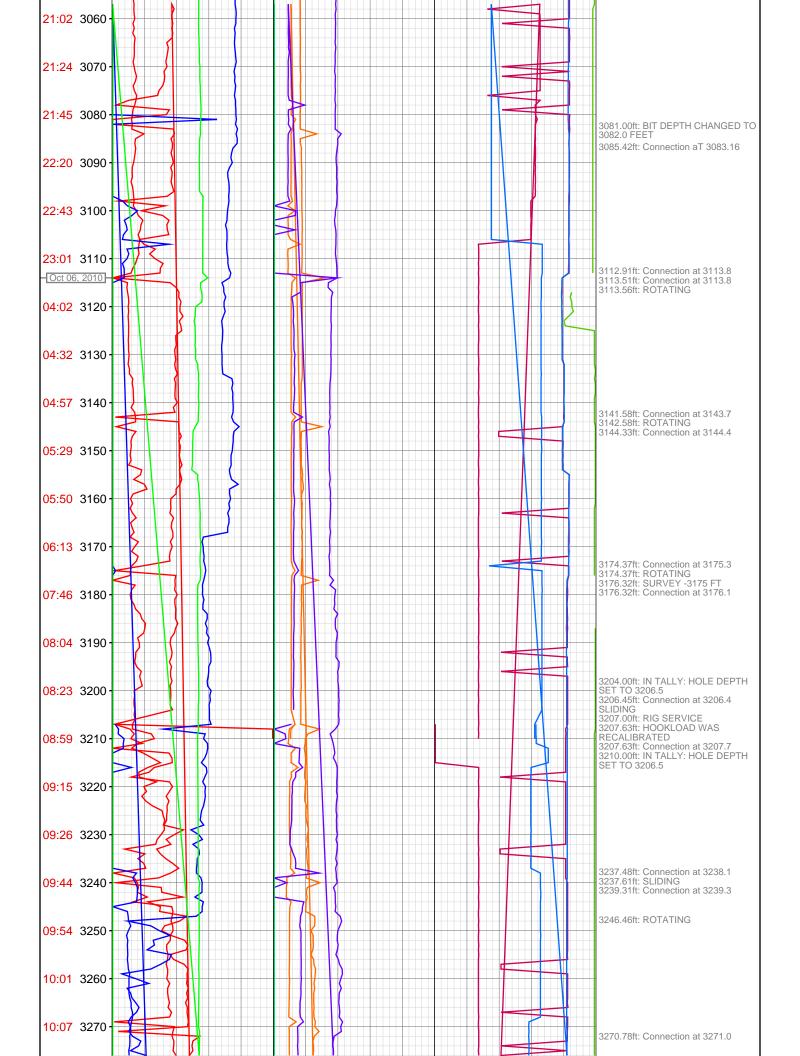


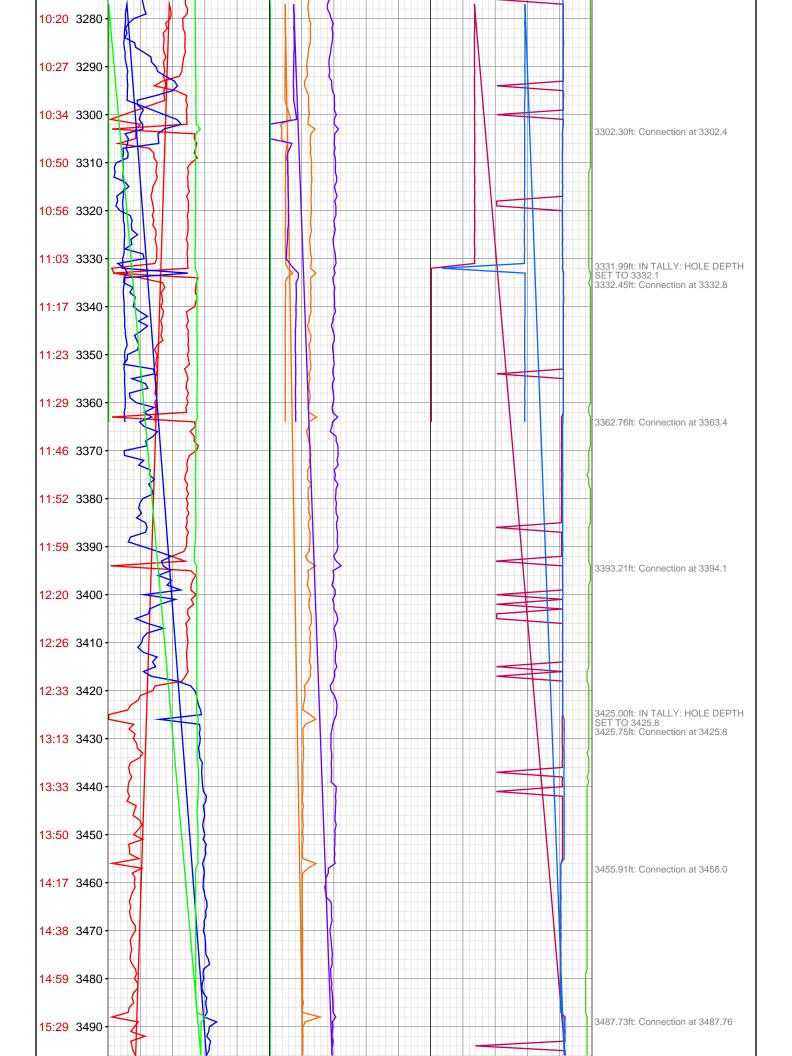


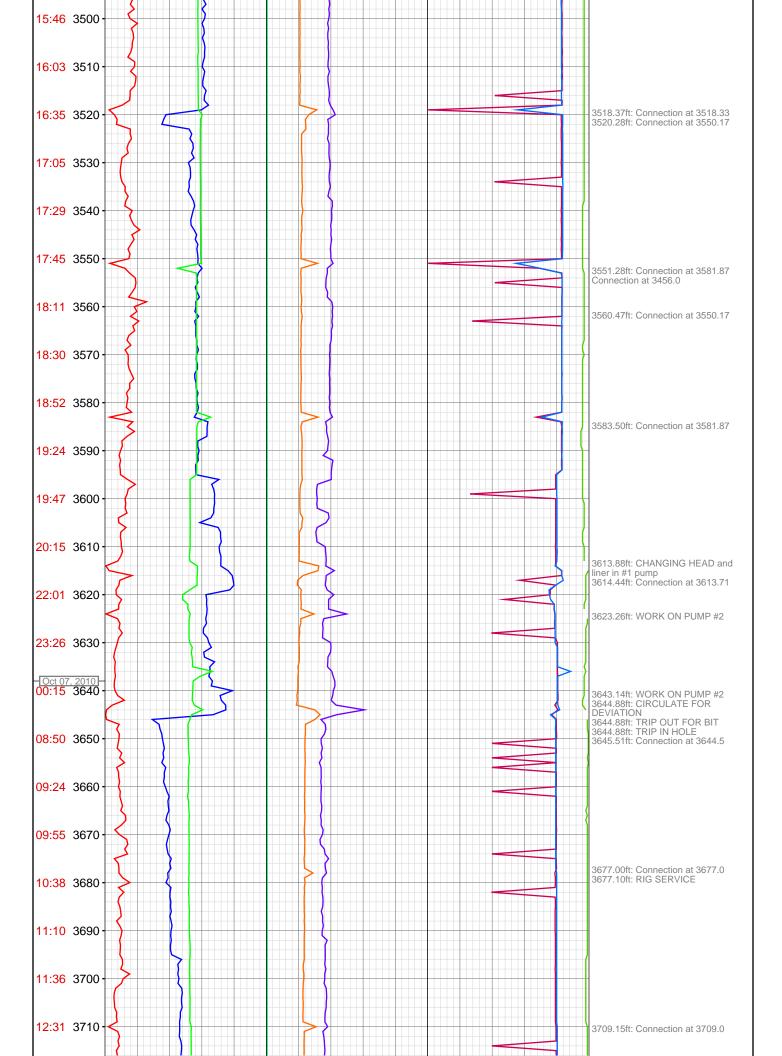


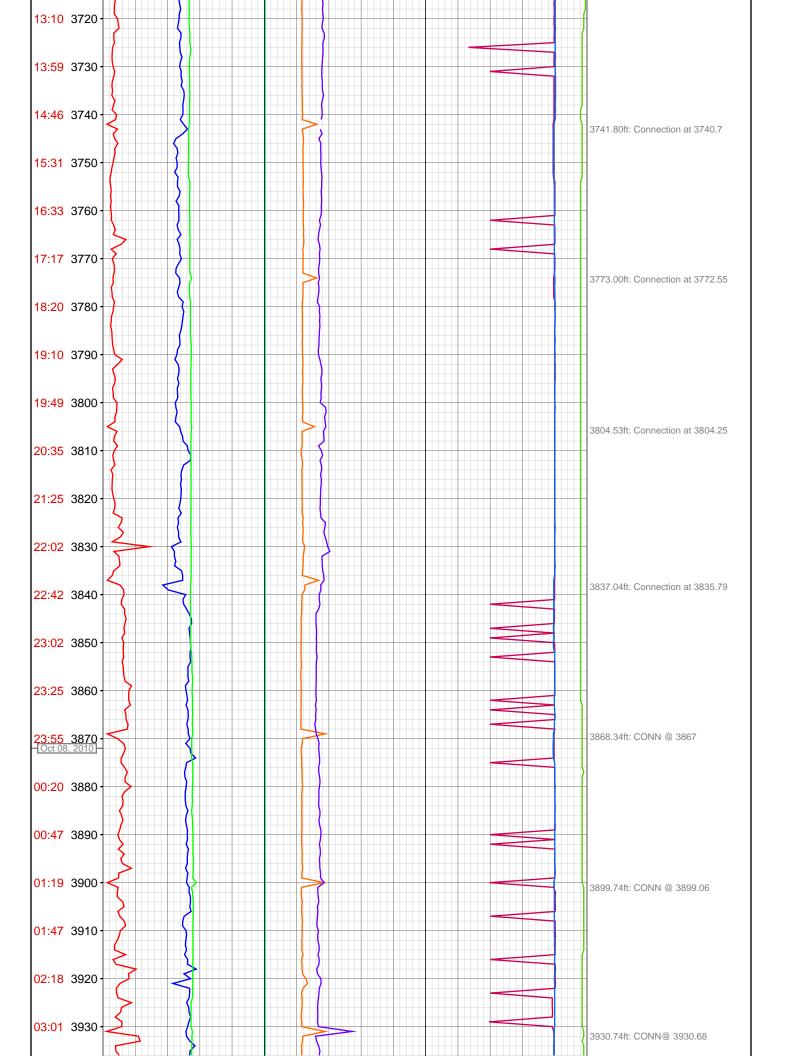


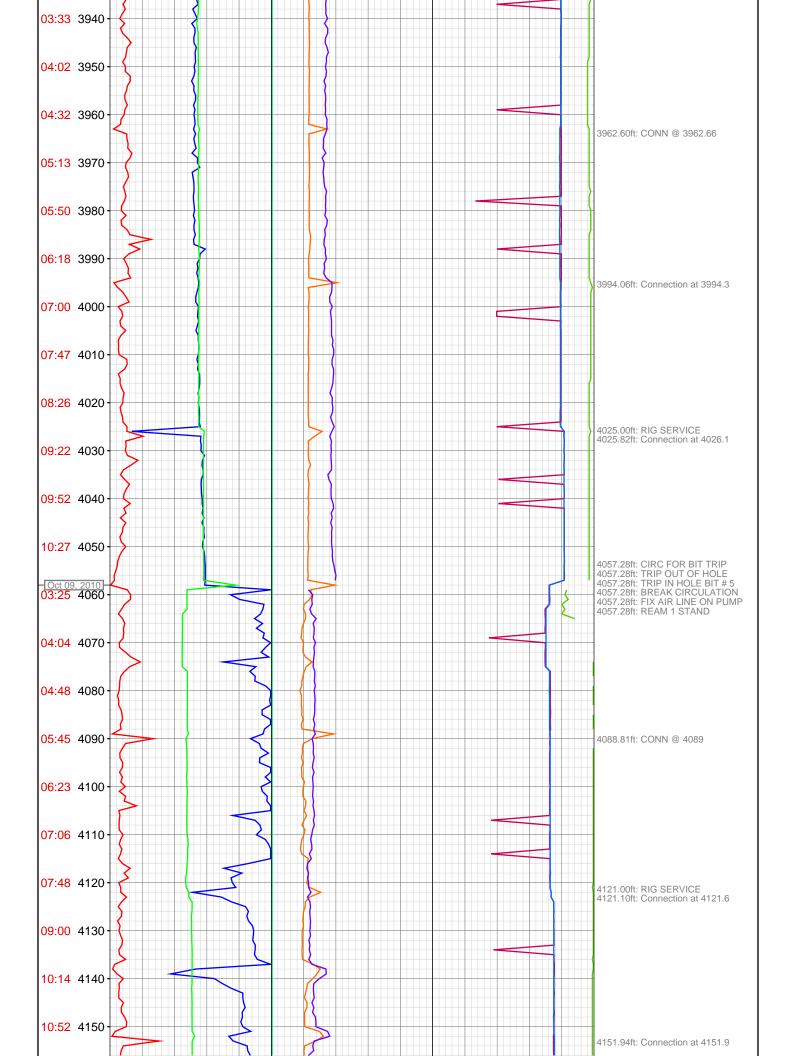


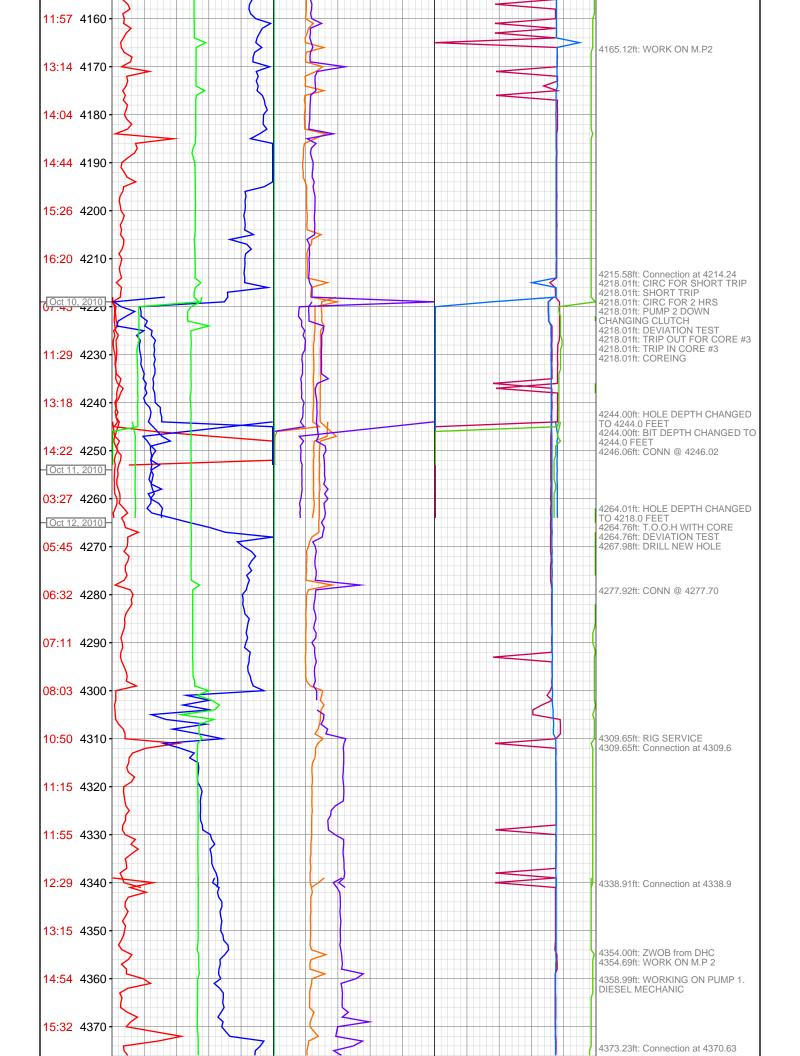


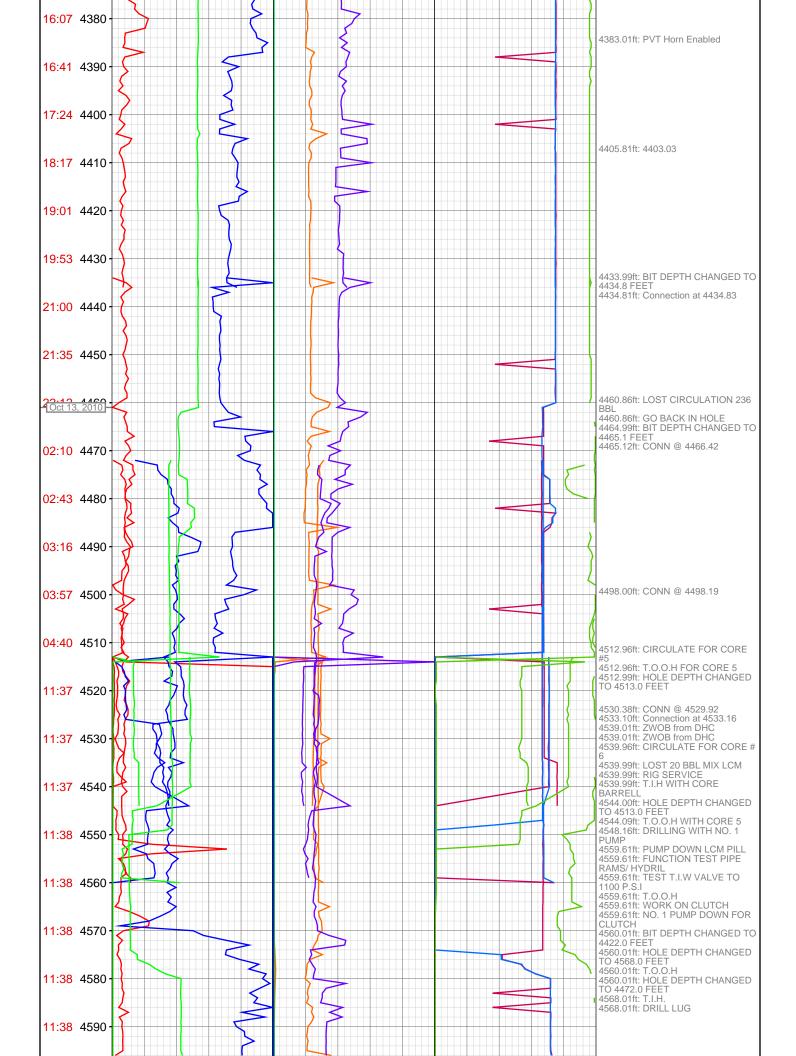


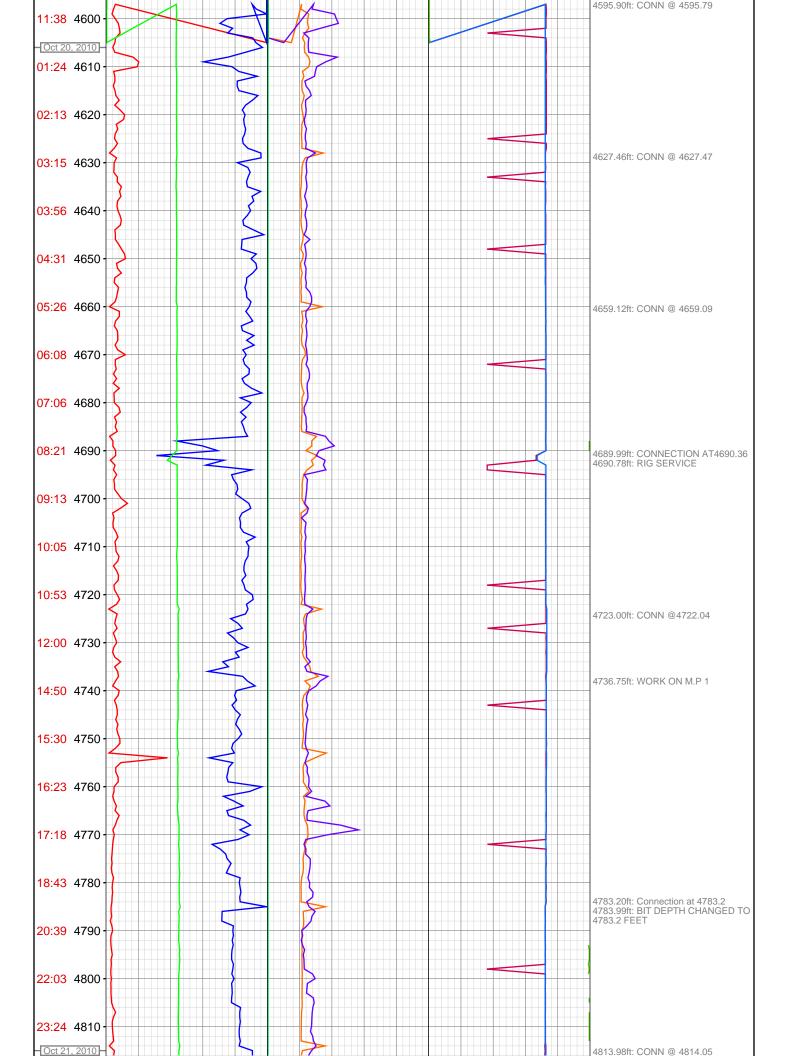


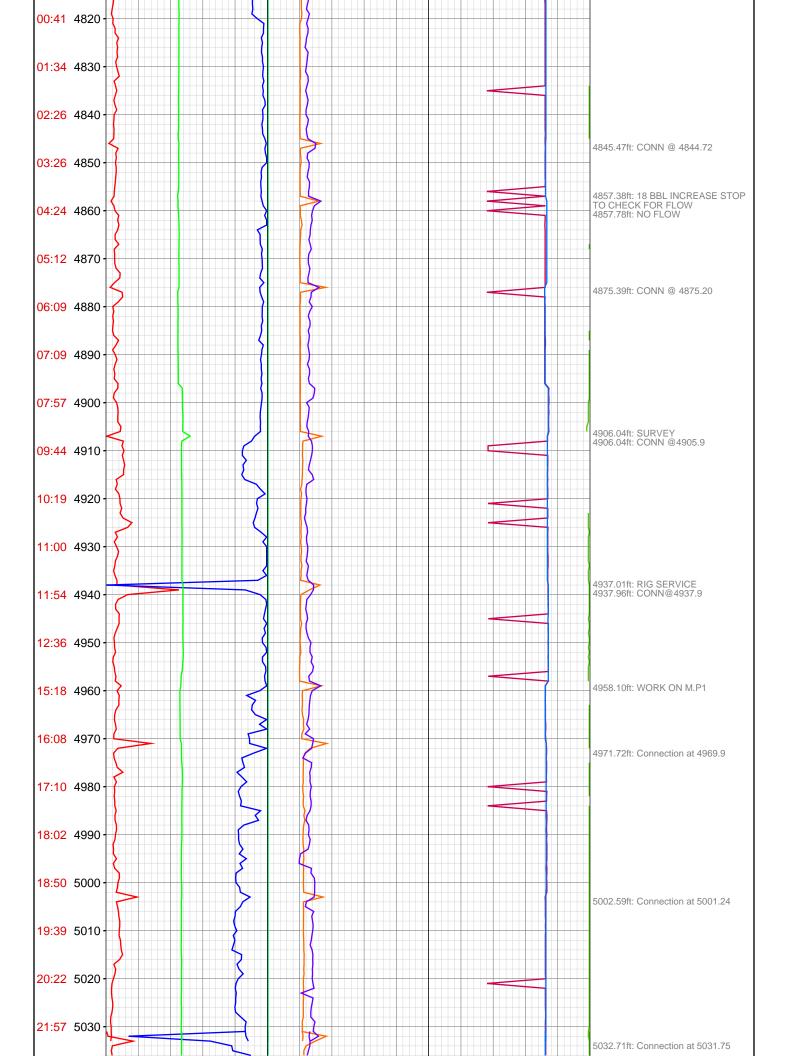


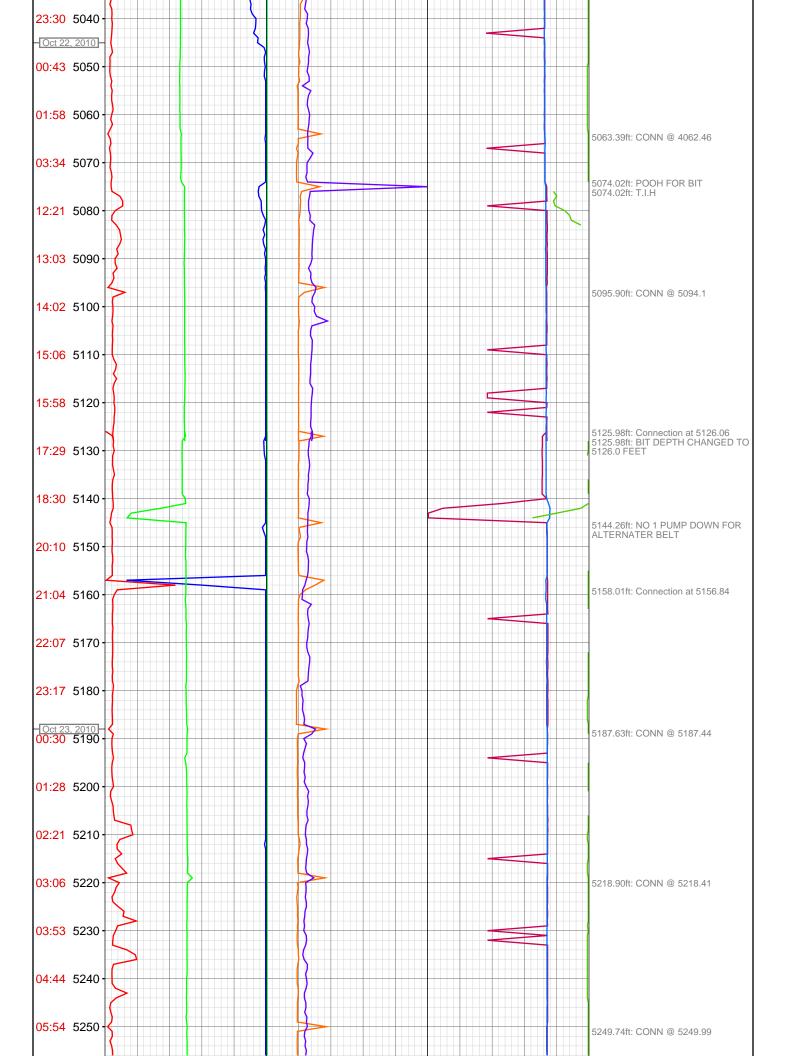


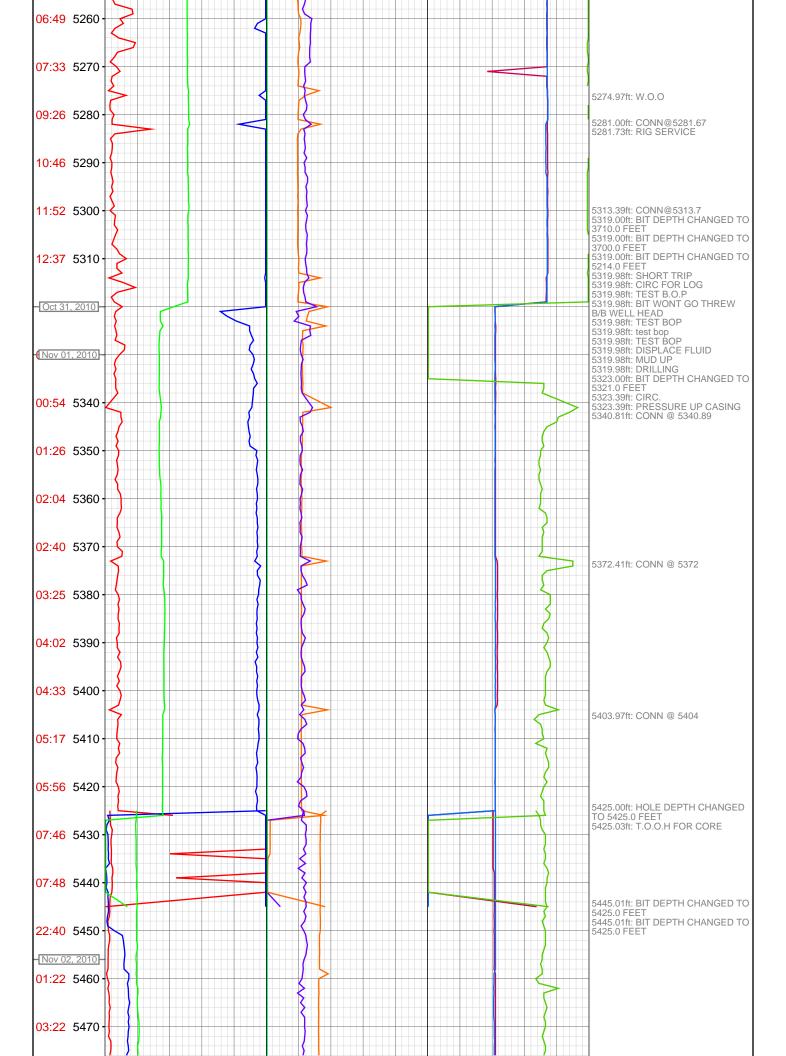


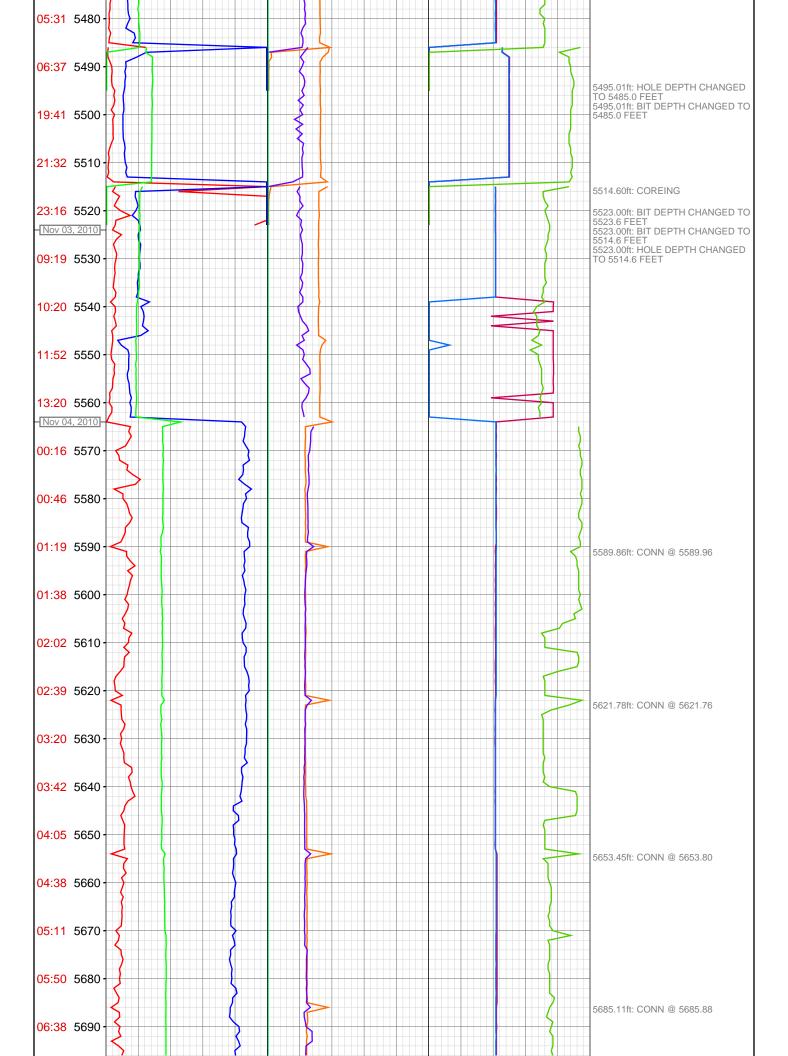


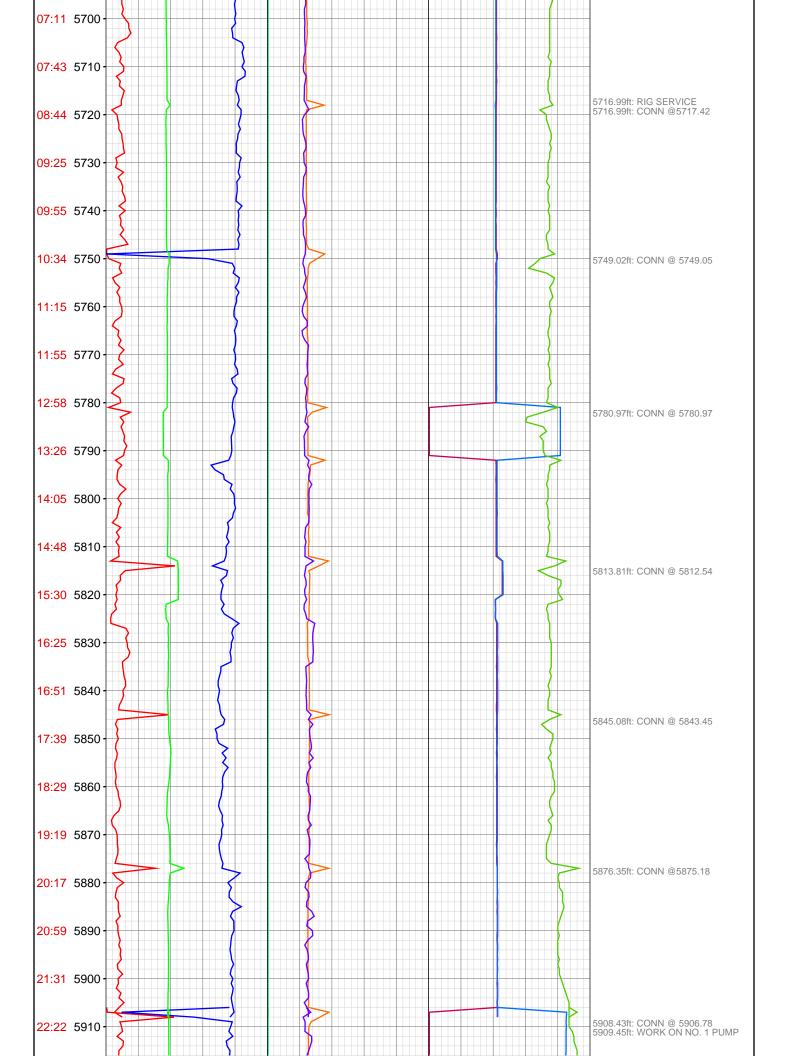


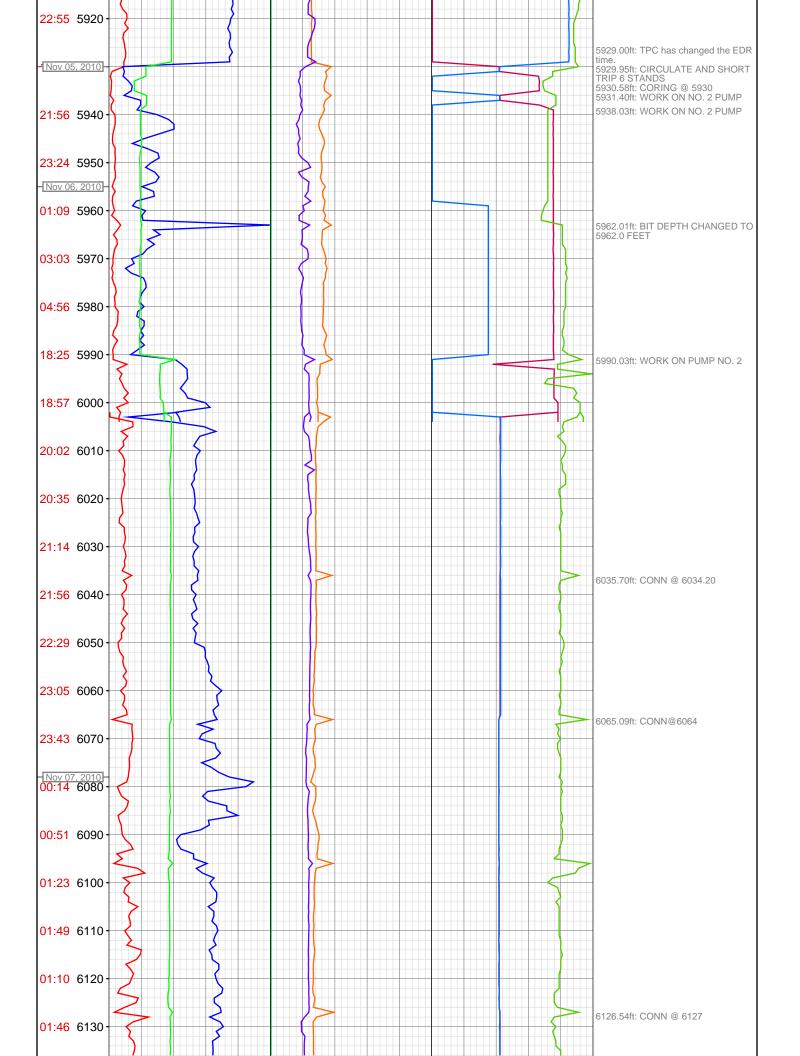


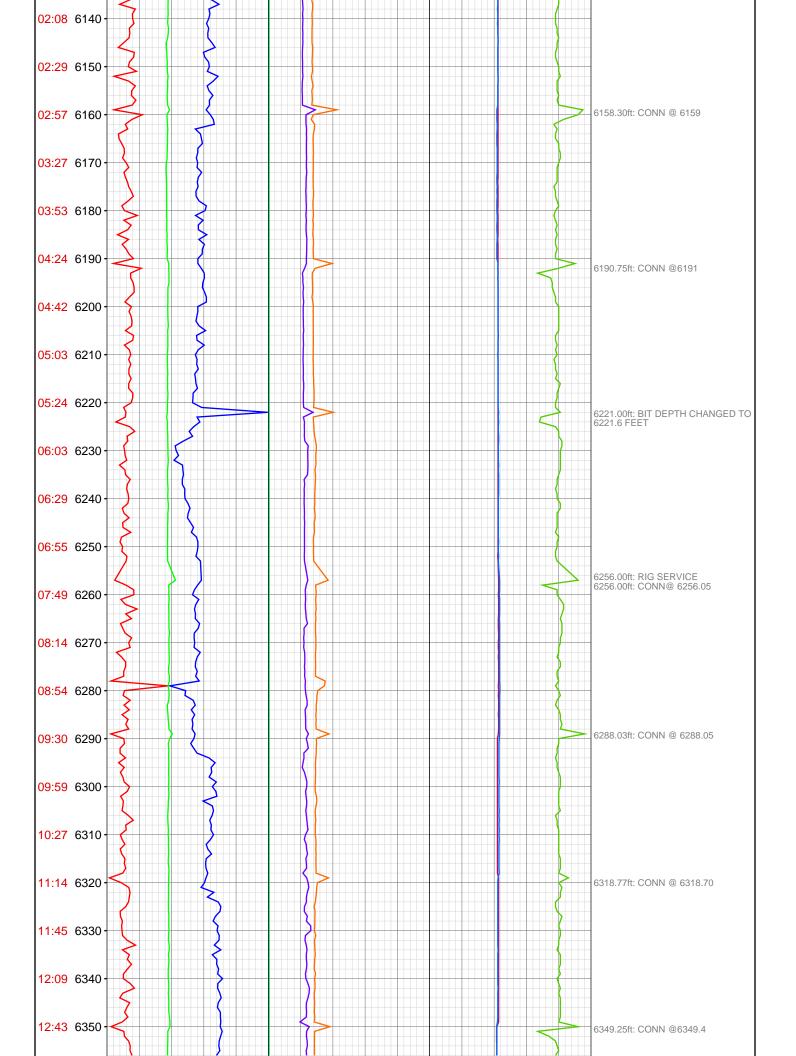


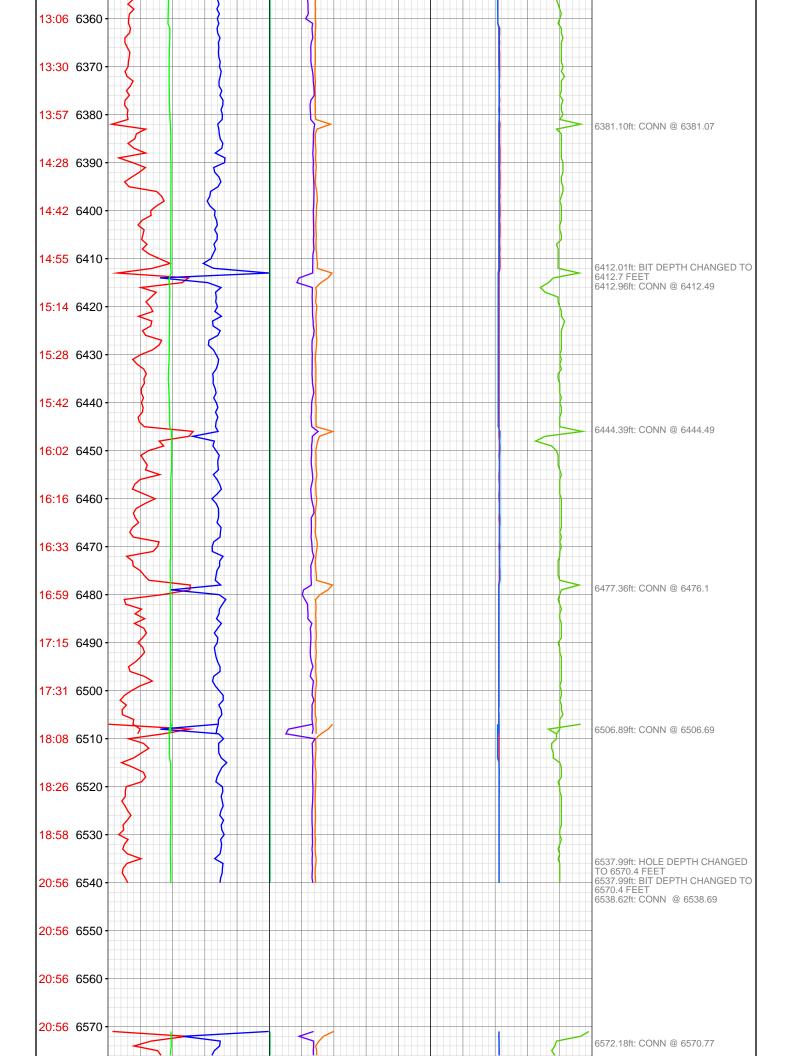


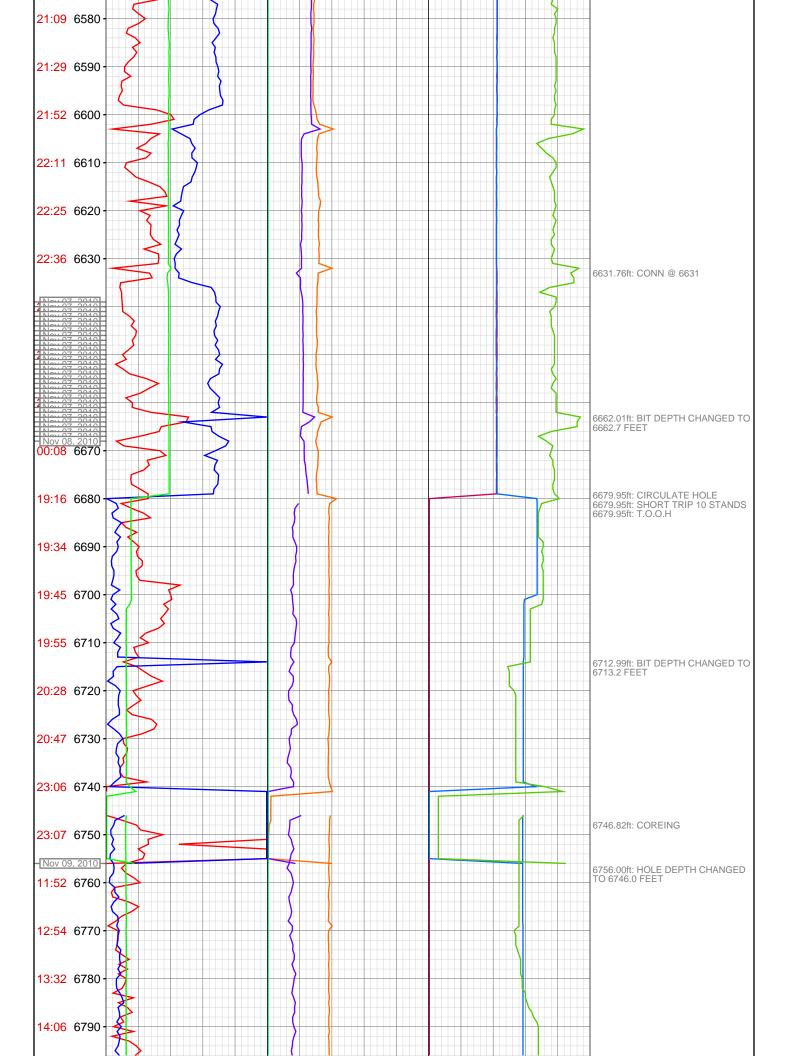




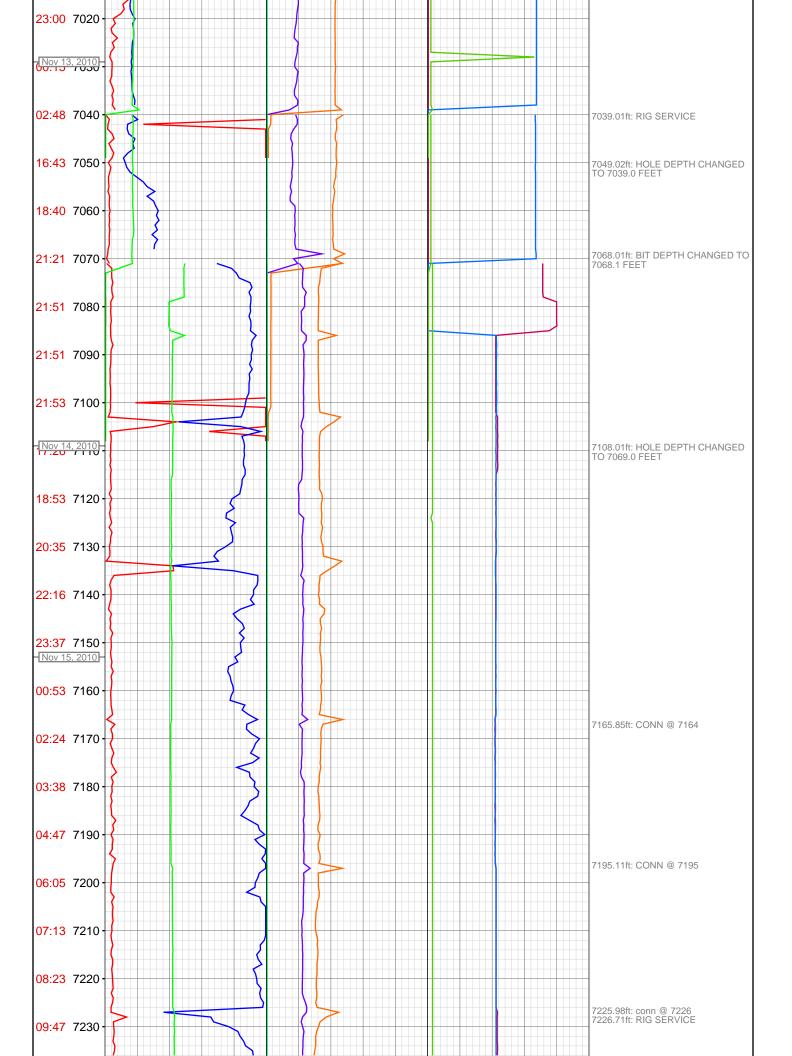


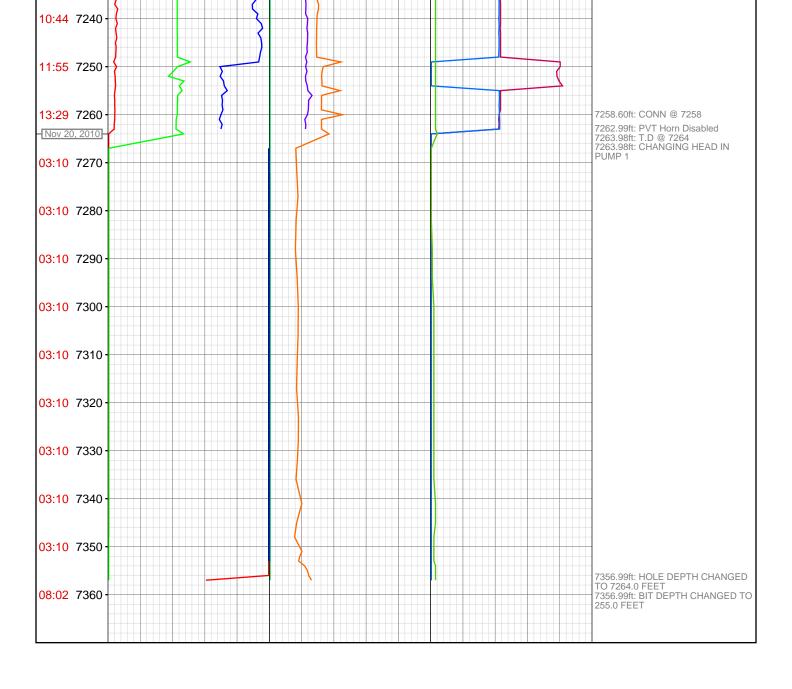












Illinois Basin Decatur Project

Verification Well #1

Daily Completion As Built Report

June 11, 2011: Reconfigured well work platform. Tripped in hole with Westbay pressure monitoring equipment. Ran post inflation profile on all 11 perf zones as well as QA/QC zones. Successful deployment in all zones. Left pressure probe at top zone to monitor pressure inside tubing over weekend. Well construction activities are now complete. Next step will be operation of Verification well for monitoring and sampling.

June 10, 2011: Finished tripping out of hole with Westbay inflation tools. IEPA on location to witness annulus pressure test to establish mechanical integrity. Pressured annulus to 317 psia and monitored for one hour with no leak off. Successful test. Secured location. SDFN. Next 24 hours: Trip in hole with Westbay pressure probe and conduct post inflation pressure profile.

June 9, 2011: Finished tripping in hole with Westbay inflation equipment. Successfully inflated Packer 28, final and uppermost packer in Westbay completion (approx 4826ft). Pressure tested annulus to 300 psi for two hours confirming mechanical integrity. Started out of hole with Westbay packer inflation equipment. Made it halfway out of well. Secured location. SDFN Next 24 hours: Finish tripping out Westbay packer inflation equipment. Conduct official MIT for IEPA inspector. Connect well to frac tank for purging activities. Trip in hole with Westbay pressure transducer for post inflation profiling.

June 8, 2011: Rigged down Key Energy Services Rig 41 and moved out. Loaded all support equipment and moved out. Everything off location at 11:00 hours. Held meeting with ISGS to discuss sampling techniques and inspect sample bottles. Rigged up Westbay packer inflation tools and started in hole. Tripped in to 2200ft. Secured location. SDFN Next 24 hours: Finish tripping in hole and inflate last

packer (#28). Pressure test for mechanical integrity. Start out of hole with packer inflation tools.

June 7, 2001: Finished tripping out of hole with Westbay packer inflation tools. Waited on pumping port opening equipment to arrive. Tripped in hole with Westbay pumping port opening and closing tools. Opened Pumping Port # 11 at approximately 4785ft. Lowered tool 150 feet below pumping port. Rigged Franklin Well Services to well. Broke circulation pumping 9.2 ppg brine down the tubing and returning from the annulus. After pumping 20 bbls 9.2 ppg brine switched to 9.4 ppg NaCl brine with Nalco Adomite ASP 539D corrosion inhibitor at a concentration of 2 gallons per 1000 gallons brine. Pumped total of 78 bbls packer fluid and displaced tubing with 27.8 bbls 9.4 ppg NaCl brine. Pump rate .5-.7 BPM. Returned 4.5bbls packer fluid to flat tank as planned. Returned well fluids very clean. Shut down well in balance. Westbay picked tool back up and closed pumping port. Rigged Franklin to annulus and pressured annulus to 200 psi with no flow from tubing and no pressure increase on Westbay tool down hole. Good test. Bled off pressure and rigged down Franklin. Pulled Westbay tools out of well. CWI. SDFN. Next 24 hours. Rig down Key Well Services and move out equipment. Start in hole with Westbay packer inflation equipment.

June 6, 2011: Made additional attempts to inflate packer 24 with no success. Moved to Packer 26 which is lower packer below Zone 12 upper Ironton-Galesville perfs. Packer would not inflate. Results very similar to Packer 24. Moved on to Packer 27 which is above the Zone 12 perfs 4918-4921. Packer inflated as per design. Held meeting to discuss options going forward. Decision made to continue with plan which is to trip out Westbay inflation tools and go in hole with tool to open sliding sleeve below Packer 28. Started out of hole with Westbay inflation tools. Made it to 950 feet. Secured location and shut down for night. Next 24 hours: Finish tripping out with inflation tools. Trip in with tool to open sliding sleeve. Displace hole with packer fluid and close sliding sleeve.

June 5, 2011: Inflated packers 21-23. Attempted inflation of packer 24 which is the packer just below the lowermost Ironton Galesville perfs at 5000-5004 (Zone 10). Packer inflation data indicated a loss of pressure in the packer. The Packer

Inflation valve can be closed and the hydraulic integrity of the Westbay tubing is not compromised. Preliminary investigation indicates the packer element may have failed and the packer does not seal in the tubing casing annulus. With regard to the future operation of the monitoring well, the lack of packer seal in this position would have no effect on pressure monitoring in Zone 10 nor on the annulus isolation of zones in the Mt. Simon. The primary purpose of this packer is to restrict the annulus volume isolated across Zone 10 limiting purge volumes for fluid sampling from Zone 10. The lack of a packer seal at this position may have an effect on purge volumes, though this effect is mitigated by the earlier decision to put the pumping ports above the perforations to mitigate risk of sand in purge water. The 6 QA/QC packers positioned above the Mt. Simon (in the Eau Claire) all inflated and sealed correctly and as such positively seal the annulus through the confining layer as per design. After two attempts at inflation decision was made to come up to Packer 25 to make sure3 inflation equipment is working correctly. Packer 25 inflated properly. SDFN

June 4, 2011: Continued packer inflation. Inflated packers 12-20.

June 3, 2011: Continued packer inflation. Inflated packers 2-11.

June 2, 2011: Finished tripping in hole with inflation tools. Positioned tools in well and inflated Packer # 1.

June 1, 2011: Started tripping in with Westbay packer inflation tools on wireline and inflation hose. Tripped in to 4000 ft. Pressure tested N2 control line. Held okay.

May 31,2011: Tripped in hole with pressure probe and finished pre-inflation pressure profile. Started preparations for packer inflation. Spotted inflation hose reel, filling inflation hose

May 28, 2011: Continued pre-inflation pressure profile and trip out of hole with Westbay pressure probe. Secure location and shut down for weekend.

May 27, 2011: Go in hole with Westbay pressure probe and start pre-inflation profile.

May 26,2011: Held morning safety and operations meeting focusing on running nitrogen injection line banded to 2 7/8 tubing. Rigged up Baker Hughes spooling equipment. Picked up Schlumberger side pocket gas lift mandrel and placed in 2 7/8 tubing string. Connected 5/8 inch injection tubing to gas lift mandrel and lowered in well. Ran 20 stands 2 7/8 tubing banding 5/8 inch injection line to tubing. Added 3 bbls 9.2 ppg brine each 8 stands. Positioned tubing in wellhead. Rigged up Wayne County Surveys and ran Gamma Ray/ Collar locator log for final positioning of Westbay completion. Found Westbay measurement ports to be positioned in mid to lower perfs instead of upper perfs as desired. Picked up tubing and laid down top joint measuring 31.82 feet and picked up 2-27/8 X 10ft, 1-27/8 X 6ft, and one 2 7/8 X 2ft pup joints totaling 28.82 feet shortening string by 2.99 feet. Final depth of Westbay 7126 and top at 4747. Gas lift mandrel at 1209 feet. Removed BOPs and connected tubing to tubing hanger. Connected 5/8 inch injection line to pass through in tubing hanger. Lowered tubing and landed in tubing spool. Flanged up top well head assembly and tested tubing hanger to 2000 psi. Secured blocks to allow Westbay access to well. Westbay ran in hole to uppermost measurement port and confirmed equipment function. Fluid level inside tubing at 740 feet and in annulus at 380 feet. Released rig crew for week off. Shut down for night. Next 7 days: Run pre-inflation pressure profile. Begin packer inflation. Circulate packer fluid and conduct MIT.

May 25, 2011: Held morning safety and operations meeting. Severe storms so had everyone seek shelter and monitor weather radio. Discovered that Baker Tubing Services had brought the wrong control line ¼ inch instead of the ½ inch as ordered. Made several calculations to see if running two ¼ inch lines would work and found that the friction loss would be too great to properly air lift the well with nitrogen. Arranged for a reel of 5/8 inch tubing to be delivered. Westbay checked fluid level and continued testing system until storm shut down activity. Closed well in and shut down for day. Next 24 hours: Run gas lift valve with control line remaining 1209 feet into well. Land well and verify depth of Westbay using Gamma ray log and collar locator.

May 24, 2011: Held morning safety and operations meeting. Westbay on site continuing commissioning the Westbay completion system. Finished at 1400 hours. Resumed lowering the Westbay system into the well adding 3 bbls 9.2 ppg brine every eight stands of tubing. Reached depth of 5919 ft. Moved excess tubing off racks. Secured area. Closed well in. Shut down for night. Next 24 hours: Add gas lift valve to string and lower Westbay into position, verify depth and hang tubing in well head.

May 23, 2011: Held morning safety and operations meeting. Discussed how to best handle the lightweight Westbay tubing in the face of high winds. Devised plan to use tag line fastened to Westbay elevators to attempt to help hold Westbay pipe straight. Rigged to continue lowering Westbay completion in well. Ran remaining 54 pieces in well. All Westbay in well at 1300 hours. Total Westbay pieces 158 for a length of 2382 feet. Made up Westbay X 2 7/8 changeover and picked up one joint 2 7/8 inch tubing. Stripped off Westbay work platform and hung well off in rig slips. Rigged up Westbay wireline unit and ran in hole confirming location of Westbay ports and magnets. Closed well in. SDFN. Next 24 hours: Continue confirmation testing of Westbay and then lower into well to approximately 5900 ft.

May 22, 2011: Held morning safety and operations meeting. Opened well. Checked fluid level in Westbay tubing and found the same as previous night. Pulled 10 ft 27/8 pup with Westbay changeover out of well and laid down. Made final checks to remaining Westbay packers. Continued running Westbay completion system hydro testing each connection to 450 psi. Ran 105 pieces. Picked up 106 piece and was making it up when gust of wind hit causing the thread to become galled. Laid down pieces 106 and 105. Weather deteriorating quickly, under severe thunderstorm warning and tornado watch. Secured Westbay pieces onto pipe racks and secured location. Reran 10ft 2 7/8 pup with Westbay crossover. 104 total pieces of Westbay completion run into well 1518 ft. Shut well in. SDFN. Next 24 hours: Finish lowering Westbay completion into well.

May 21, 2011: Held morning safety and operations meeting. Picked back up first piece of Westbay completion string and retested X-plug to 450 psi. Held okay.

Started lowering Westbay completion system into well hydro testing each connection to 450 psi. Ran a total of 67 pieces for 913 ft into well. Added 3 bbls 9.2 ppg brine to tubing. Checked fluid level and found at 739 feet. Picked up 2 7/8 x 10 ft pup joint with Westbay changeover. Lowered in well. Closed well in. Shut down for night. Next 24 hours: Finish lowering Westbay completion into well.

May 20, 2011 Held morning safety and operations meeting. Continued Westbay layout and cross check. Fabricated work stand to assist in running Westbay. Ran sand line in well to find fluid level. Fluid level at approximately 675 feet. Conducted Westbay handing training session with rig crew. Picked up first Westbay tubing. On bottom placed 1.875 X-nipple with Westbay threads. Put 1.875 X-lock plug and 1.875 PX prong in X-nipple. Placed1.875 Junk basket above prong. Pressure tested plug while hanging in derrick. Found X-plug to be leaking. Contacted manufacturer and discussed low pressure testing. Made suggested repair and pressure tested to 500 psi. Due to late time decided to shut down for night. Closed well in. SDFN.

May 19,2010: Held morning safety and operations meeting. Picked up 4 ¾ bit and casing scraper and tripped in hole. Tagged sand fill 7143. Conferred with Westbay, latest design has bottom of Westbay at 7128 and need 20 feet minimum below. Rigged to reverse circulate sand. Well circulated after 24bbls indicating that fluid level was at approximately 1250 feet below surface. Slowly circulated sand fill to PBTD of 7166. Fluid returns slowing as sand was at surface. Continued circulating until fluid cleaned up. Gauged tanks and determined that approximately 60 bbls fluid lost while circulating. Changed over to pump down tubing and spotted 65 bbls 9.4 ppg NaCL brine with five gallons Nalco ASP-539D corrosion inhibitor/oxygen scavenger packer fluid additive. Tripped out of hole standing back 74 stands and laying down remaining 76 joints of tubing. Westbay continuing to layout Westbay completion, testing packers and measurement ports. Next 24 hours: Conduct operations meeting on Westbay handling. Start to lower Westbay completion in hole.

May 18, 2001:Held morning safety and operations meeting. Opened well with moderate blow on tubing. Rigged to continue swabbing Zone 11. Initial fluid level

600 feet below surface. Started swabbing making runs 1000 ft into fluid. Fluid level dropped to 3400 feet below surface after seven runs and maintained between 3200-3500 for rest of day. ISGS on location to test water chemistry. Westbay continuing to lay out Westbay completion. Made a total of 18 swab runs with a fluid recovery of 112 bbls for the day and 146 bbls for Zone 11 (Tbg vol 29 bbls). Water chemistry stabilized. Ended swabbing for Zone 11. Released packer and tripped in hole. Latched onto and released bridge plug. Tripped in hole. Set RBP at 6889 and packer at 6780 isolating Zone 4 perfs 6837-6840. Tested both packer and plug. Swabbing to confirm previous results from Zone 4. Rigged to swab. Initial fluid level 600 feet below surface. Swabbed well down to 1100 feet below surface in three runs. Swabbing 600-700 feet pulls to try to minimize sand production. Bottoms up fluid after 10 runs. Small amount of fine red sand in fluid. Continued swabbing with fluid level slowly dropping to 1300 feet. Fluid chemistry matching previous results. Ended swab test after 18 swab runs. Total fluid recovery 71 bbls. (Tbg vol 39.5 bbl). Ended swab test for Zone 4 and for all zones. Released packer and tripped in hole. Latched onto and released RBP. Tripped out of well. Recovered memory gauges from above packer, below packer, and below bridge plug. Schlumberger Testing on location to start to download data. Laid down Baker packer and retrievable bridge plug. Closed well in. SDFN. Next 24 hours: Trip in hole with bit and scraper. Tag PBTD and circulate sand fill if necessary. Spot packer fluid in lower part of hole where Westbay will be placed. Trip out of hole laying down 74 jts tubing.

May 17, 2011: Held morning safety and operations meeting. Released packer and tripped in hole. Latched onto and released RBP. Pulled up hole and set RBP at 5081 and packer at 4938 isolating Zone 10 perfs 5000-5003 (base of Ironton-Galesville). Tested both plug and packer. Rigged to swab. Initial fluid level at surface. Swabbed well down to 2200 feet in five runs. ISGS on site to test water chemistry. Continued swabbing with fluid level staying at 2300 feet and pulling 1000 feet swabs. On tenth swab rig operator did not hear first flag warning and pulled swab tools into stuffing box parting sand line. Swab tools remained in lubricator. Closed in TIW valve under tools to make sure tools did not go back down well. Shut down for three hours for rig to re-head cable and re-spool line

over top sheave. Rigged back to swab. Fluid level at 600 feet below surface after three hours. Continued swabbing. Fluid chemistry of Ironton —Galesville suggesting that completion fluid had been lost to this zone. Zone cleaning up very slowly. Made total of 29 swab runs recovering 190 bbls fluid (tbg vol 29 bbl). Fluid level holding at 2200 -2300 feet. Had twenty minute shut down to pump off flat tank to dirty fluid tank and fluid came up hole to 1100 feet. Water chemistry slowly stabilized. Ended swab test of Zone 10. Released packer and tripped in hole. Latched onto and released RBP. Pulled up hole. Set RBP at 4953 and packer at 4875 isolating perfs 4917-20 (top of Ironton-Galesville). Rigged to swab. Fluid level at surface. Made five swab runs, each with 1000 feet of fluid recovering a total of 34 bbls fluid (TBG volume 29 bbls). Last swab run suggests that this zone has had completion fluid invasion as well. Westbay on location laying out Westbay completion and attaching centralizers and magnets. Closed well in. SDFN. Next 24 hours: Swab test Zone 11, retest Zone 4 for pressure data, trip out with test tools.

May 16, 2011: Held morning safety and operations meeting. Opened well and had blow on tubing. Rigged to continue swab testing Zone 7. ISGS on site to test water chemistry. Westbay on site to starting laying out completion string. Initial fluid level 1500 feet below surface. Started swabbing going 800 ft into fluid. Fluid level dropping. After swabbing down to 4000 feet started to get 100-200 feet of fill up between runs. By swab seven the water chemistry started to stabilize. Made two more runs and ended test of Zone 7. Total swab runs in two days was 21. Fluid recovery for day 46.2 bbls and total for Zone 7 102 bbls. Laid down swab equipment. Released packer and tripped in hole. Latched onto and released RBP. Pulled test tools uphole. Set RBP at 5905 and packer at 5795 isolating Zone 8 perfs 5840-5843. Tested both plug and packer, both okay. Rigged to swab. Initial fluid level at surface. Pulled three runs with fluid level recovering quickly after each run. Shut down for lunch. Fluid level came to 500 ft below surface over lunch. Continued swabbing with fluid level stabilizing at 1200 feet and pulling 1000 ft of fluid. Made total of 16 runs with water chemistry stabilizing after 14 runs. Ended swab test of Zone 8. Total fluid recovery 104 bbls. Laid down swab equipment. Released packer and tripped in hole. Latched onto and released RBP. Pulled test

tools up hole. Set RBP at 5715 and packer at 5605 isolating Zone 9 perfs 5653-5656. Zone 9 last Mt. Simon perfs. Rigged to swab. Initial fluid level at surface. Swabbed well down to 1700 feet after four runs. Fluid entry very strong. Continued swabbing with fluid level staying at 1700 feet. Going 800 feet into fluid but well filling up to 1000 ft before swab could be pulled. Made total of14 runs with water chemistry starting to stabilize after the 11th run. Ended swab test of Zone 9 after 14 runs and total of 104 bbls fluid recovered. Chemistry of Zones 8 and 9 different from other Mt Simon water and different from each other. Laid down swab equipment. Closed well in. SDFN. Next 24 hours: Move tools to isolate Zone 10 and swab test.

May 15, 2011: Held morning safety and operations meeting. Rigged to continue swabbing Zone 6.Initial fluid level 1100 feet below surface. ISGS on location to sample fluid. Swabbed well down to 5300 feet in seven runs recovering 35 bbls fluid. Started staging swabs waiting 10 minutes between runs. Fluid level stayed at 5300 feet below surface. Fluid chemistry stabilizing after nine runs. Made two more swab runs collecting larger samples and ended test on Zone 6. Total fluid recovery for day 51.5 bbls and for Zone 6 total 108.5 bbls. Rigged down swab equipment and filled tubing to equalize packer. Released packer and tripped in hole to release bridge plug. Latched onto bridge plug and released and pulled up hole. Set plug at 6478 and set packer at 6367 Isolating Zone 7 perfs 6416-6419. Tested both plug and packer. Rigged to swab. Initial fluid level at 300 feet below surface. Swabbed well down to seating nipple in seven runs recovering 43.5 bbls. Tbg volume is 37 bbl. Started staging swabs at 15 minute intervals. Made five additional runs from seating nipple with fluid level staying at 5500 feet. Recovered additional 18 bbls fluid. Total recovery for day 55bbls. Closed well in. SDFN. Next 24 hours: Continue swab testing Zone 7.

May 14, 2011: Held morning safety and operations meeting. Opened well with slight bow on tubing. Rigged to swab with ISGS on site to test fluid samples. Continued testing Zone 5. Initial fluid level 2700 feet below surface. Made three runs and swabbed well down to 4900 feet. Well producing some fluid. Waited

thirty minutes and then one hour between runs. Fluid entry of approximately 2 bbl fluid per hour. Made total of seven runs recovering additional 35 bbls fluid. Test stabilized. Ended swab test of Zone 5. Total fluid recovered was 77 bbl. (Tbg Vol 39 bbls) Filled tubing and released packer and tripped in hole. Latched onto and released RBP. Pulled packer and plug up hole. Set RBP at 6670 and packer at 6589 isolating Zone 6 perfs 6632-6635. Tested both plug and packer, both held okay. Rigged to swab. Initial fluid level 200 feet below surface. Started swabbing going 1000 feet into fluid. After four runs had well swabbed down to 3900 ft. Well starting to produce fluid between runs. Formation fluid to surface after Run 6. Fluid chemistry had abrupt change after Run 7 to a fresher fluid. Made three additional runs with fluid not stable. Total recovery for day from Zone 6 was Closed well in. SDFN. Next 24 hours: Swab test Zone 6.

May 13, 2011: Held morning safety and operations meeting. After weighing the RTAC pressure signature and the water chemistry a decision was made to test the Bridge plug. Released packer and tripped in hole to just above bridge plug. Pressured up on RBP and plug would not test. Retrieved bridge plug and tripped out of hole laying down RBP and Packer. Examined Bridge plug and found it jammed with sand not allowing sealing elements to be compressed against the pipe, appears to have happened on Zone 4. Picked up second set of tools that were on location. Exact configuration as before and tripped into the hole. Tested packer and plug at 4500 feet in blank pipe to 1000 psi. Held okay. Continued tripping in hole. Set RBP at 6762 pulled off plug and set packer to test plug. Tested okay. Pulled up hole and set packer at 6652 isolating Zone 5 perfs 6720-6723. (Will retest starting with Zone 5, feel that Zones 1-4 was good test) Rigged to swab. Swabbed well down in eight runs recovering tubing volume. Waited 15 minutes and pulled run from seating nipple, possibly 100 ft of fluid fill up. Pulled swab with ISGS recovering samples. Waited 20 minutes and again found hardly any fluid in well possible 100-200 feet. Pulled swab and recovered small amount of fluid. Total recovery for 10 swab runs was 42 bbls. Tubing volume 39 bbls. Closed well in. SDFN. Next 24 hours: Swab test Zone 5. Break down perfs with fresh water if necessary to obtain fluid recovery.

May 12, 2011: Held morning safety and operations meeting. Opened well @ 0730 with slight blow on tubing and annulus dead. Released packer and tripped in hole and latched on to RBP. Released bridge plug and pulled up hole to next setting. Set RBP at 6478 and packer at 6367 isolating Zone 7 perfs 6416-6419. Tested packer to 300 psi. Rigged to swab. Pulled first swab at 0820. ISGS on site to test recovered fluid. Initial fluid level 500 feet below surface. Swabbing from 500 feet into fluid increasing to 700 feet into fluid after two runs and then 1000 feet of fluid after five runs. Fluid level slowly dropped to 900 ft below surface after 8 swab runs and maintained between 900 feet and 1000 feet below surface for remainder of swabbing operation. Trace amount of sand in swabs after bottoms up. Made a total of 27 swab runs recovering 142 bbls fluid. Tubing volume is 37.2 bbl. Fluid samples stabilized and swabbing ceased at 11: 45 am. Shut down for two hours to allow formation to recover before releasing packer. Released packer and tripped in hole. Latched onto and released RBP. Pulled up hole to isolate Zone 8. Set RBP at 5905 and packer at 5795 isolating perforations 5840-5843. Tested packer to 300 psi. Rigged to swab. Initial fluid level 500 feet below surface. Started swabbing by going 500 feet into fluid and increasing to 700 feet into fluid after two runs and then 1000 feet into fluid after five runs. Checked cups for sand after tubing volume had been swabbed with only a trace of sand in cups. Fluid level maintained at 900 feet below surface. Made total of 26 swab runs recovering 144 bbls fluid (tubing volume 33 bbl). Fluid samples stabilized. SDFN 1800 pm to allow formation to equilibrate. Next 24 hours: Move tools to isolate Zone 9 and swab test.

May 11, 2011: Held morning safety and operations meeting. Continued swabbing on Zone 5 perfs (6720-6723). ISGS on site to monitor fluid. Initial fluid level 500 feet below surface. Started with swab 18 by going 500 ft into fluid. Made runs 18-22 with fluid level staying at 600 ft below surface. Recovered 14.2 bbls. Fluid still closer in tests to 9.2 ppg brine than previous formation fluid. Suspended swabbing and pressured annulus to 350 psi and checked tubing for blow. No blow on tubing. Packer holding. Continued swabbing. Runs 23 and 24 went 750 feet into fluid and then started going 1000 feet into fluid from run 25 forward. Very

little sand in fluid. Swabbed to lunch and ended swabbing after run 46. Fluid recovered confirmed formation fluid. Fluid recovery for the day 193 bbls and from previous day 57 totaling 250 bbls from Zone 5. Shut down one hour for lunch. Released packer and reverse circulated 25 bbls for sampling. Lost 19 bbls into formation while circulating. Tripped in hole and tagged up on bridge plug with no fill. Latched onto bridge plug and released. Pulled tubing up hole and set RBP at 6667 and packer at 6589 isolating Zone 6 perfs 6632-6635. Pressured annulus to 350 psi confirming packer set. Rigged to swab at 1345pm. Initial fluid level at 500 ft. Swabbing 700 feet into fluid on runs 1 -2 then 800 feet into fluid on runs 3-13. Tubing volume recovered after run 8. Checked for sand, very little sand in fluid. Increased swabbing depth to 1000 ft into fluid after run 13. Continued swabbing for 25 total runs. Fluid stabilized on last four runs. Recovered total fluid volume of 142 bbls. Decided not to obtain reverse circulation sample and to allow formation to sit over night to equilibrate before releasing packer in an attempt to limit fluid loss to formation. Last swab at 1740pm. SDFN. Next 24 hours: Move tools to isolate Zone 7 and swab test Zone 7.

May 10,2011: Held morning safety and operations meeting. Rigged to swab Zone 4 perfs 6837-6840. Initial fluid level 400 ft below surface. ISGS on location sampling fluid. Made 11 swab runs between 0800 and 0940 recovering 40 bbls fluid. Had sand in cups after 11th run and fluid changed to dark reddish brown. Fluid level stabilized at 1200 feet below surface and was pulling swab from 500 ft into fluid. Changed cups to more sand tolerant cup and continued swabbing. Run 12 recovered large amount of sand. Decreased swabbing depth to 300 ft into fluid from runs 13 to 18. Sand slowly decreased with fluid level maintaining at 900 ft below surface. Made total of 25 swab runs before lunch recovering total of 71 bbls fluid. Fluid tests starting to stabilize. Stopped swabbing one hour for lunch. Initial fluid level 600 ft below surface after lunch. Made three additional swab runs after lunch with fluid level holding at 900 ft. Stopped swabbing 1420 pm. Total recovery 85.2 bbl on 28 swab runs. Tubing volume was 39.2 bbl so total of 46 bbl formation fluid produced to surface as well as additional tubing volume inside tubing. Fluid test stabilized. Opened packer bypass and reverse circulated tubing collecting additional fluid samples. Tripped in hole and found 6 ft of fill on

bridge plug. Reverse circulated sand off plug. Latched onto plug and released. Pulled plug and packer up hole and set plug at 6731. Pulled packer to 6652 and set isolating Zone 5 perfs 6720-6723. Rigged to swab. Initial fluid level 400 ft below surface. Made total of 17 swab runs between 1600 and 1800 pm for a total fluid recovery of 57 bbls (Tbg Volume 38.5 bbls). Fluid level staying at 900 ft below surface and swabbing from 500 ft into fluid. Did not experience sand problems as before. Fluid is different in appearance from previous zone. SDFN @ 1800 pm. Next 24 hours activity: Continue swabbing zone 5.

May 5, 2011:

Held morning safety and operations meeting. Rigged to swab test perfs 6945.6-6948.6. Initial fluid level at 200 ft below surface. Made swab runs going only 500 ft into fluid. Had tubing volume swabbed down after 11 runs with fluid level staying between 750-950 feet. ISGS on site sampling fluid. Started getting formation fluid on run 12 and recovered fine red sand in samples. Run 13 was all formation fluid with a large amount of sand. Changed cups to a more sand tolerant cup and started going into fluid only 350 feet. Pulled four additional swabs in this manner cleaning out swab mandrel and cups after each run. Sand started to decrease after the 17th run and 14 additional bbls recovery. Continued to swab in this manner with less sand production. After thirty one runs attempted to go deeper (700ft) into fluid and made two runs but sand production increased so finished the swabbing by going 500 ft into fluid. Fluid level slowly decreased to 1000ft below surface after run 32 and stayed at that level for the rest of the day. Over a 30 minute break fluid level rose to 650 feet but dropped to 1000 ft after two runs. Samples started to develop consistency and decision made to end swabbing. Total of 46 runs and 153 bbls fluid swabbed to flat tank. Filled annulus (10bbl) and opened packer by pass. Reversed circulated tubing catching additional samples of formation fluid. Fluid in tubing and swabbed fluid produced to flat tank was 197 bbls. Initial tubing volume was 38 bbls so net of 159 bbls formation water produced from formation. Stopped circulation and released packer. Tripped in hole to recover bridge plug. Tagged sand six feet above bridge plug. Reverse circulated sand off bridge plug and latched onto bridge plug. Pulled tool up hole and set bridge plug at 6858 and packer at 6780 isolating perfs at 6837-6840. Shut

well in. Suspended operations for long weekend. Will start to swab test zone 4 on Tuesday May 10. NOTE: Ethan reports that downhole pressure recorder in CCS#1 is seeing the influence of swabbing Verification Well # 1.

May 4, 2011:

Held morning safety and operations meeting. Continued to run test tools and tubing into well. Set RBP at 7112 and packer at 7033 isolating perforations in the Granite/Granite Wash 7061.2-7064.2. Held JSA with Key, Baker Hughes, ISGS and U of I personnel concerning swabbing operations. Rigged to swab. Fluid started at surface. Swabbed well down in seven runs with approximately 40 bbl recovery. Changed cups to a cup used to recover small amounts of fluid. Swab 8 had only 100 ft of fluid above seating nipple just above the packer. Waited one hour for swab 9. Found little if any fluid above seating nipple. Pulles swab nine with no recovered fluid. Consulted with ISGS and decided to move tool to next set of perforations. Filled tubing with 9.2 ppg brine. Released packer and tripped in hole. Taggged up on and released retrievable bridge plug. Pulled out of hole. Set RBP at 7016 and packer at 6970 isolating perforations 6983-6986. Rigged to swab. Fluid at surface. Started swabbing going into fluid 1000ft and recovering approximately 5.5 bbls fluid per run. Fluid level staying at 1000-1100 feet after each swab run. During seventh run fluid had dramatic color change to deep orange -brown. Fluid recvovery after seventh run was 44 bbls with tubing volume of 40.4 bbls indicating formation fluid was to surface. Checked cups and found cups and swab mandrel packed with fine grained red sand. Changed to a V-type cup that should be more sand tolerant. Waited one hour and ran swab eight. Found fluid level at 650 feet below surface. Pulled 500 ft of fluid and recovered 4 bbls of what appears to be formation fluid. Checked cups and found cups and mandrel packed with fine grain red sand as before. Waited 45 minutes and discussed options as much concern to continue swabbing while producing sand. Made swab nine. Fluid level again at 650 feet below surface. Ran swab only 250 feet into fluid and pulled swab nine recovering approximately 1.75 bbls fluid. Checked swab cups and again cups and mandrel were packed with sand. Consulted rig pusher, Baker Hughes tool hand, and ISGS sampling team and decision was made to forgo any further swabbing. Checked density of produced

fluid and found to be 9.4 ppg so tubing gradient is heavier than annulus. Pressured annulus to 500 psi and picked up tubing to release packer. Packer came loose and immediately started pumping down annulus reverse circulating tubing. Caught several samples of fluid that was in tubing that was directly from formation including a bottoms up sample ensuring that samples were caught from two tubing volumes of produced fluid. While circulating observed that after initial heavy sand laden fluid was circulated out the fluid became much cleaner and had less sand content indicating that formation might have produced large quantities of sand initially with first fluid. Shut down circulation and tripped in hole. Found 12 feet of sand on top of RBP. Reverse circulated sand off bridge plug and circulated hole clean. Latched onto RBP and released plug. Moved up the hole. Set RBP at 6965 and packer at 6907 isolating Mt. Simon perfs 6945.6-6948.6. Closed well in and shut down for night. Next 24 hours activity: Swab test perfs 6945.6-6948.6. Will swab only 500 ft pulls and pull slowly to attempt to minimize sand production. Will attempt to get good formation fluid samples and move tools to next zone prior to shutting down for long weekend.

May 3, 2011:

Held morning safety and operations meeting. No pressure on well. Picked up bit and scraper and re-ran into well on 2 7/8 inch tubing to 7150 ft. Tripped back out the hole laying down bit and scraper. Held JSA to discuss picking up and running testing string. Made up tool string as follows from bottom up: one four foot perforated pup joint with tapped bull plug in bottom containing two Schlumberger sapphire memory gauges, Baker Hughes Model G retrievable bridge plug, retrieving head for bridge plug, one six foot pup joint onto which is clamped two Schlumberger sapphire memory gauges attached with a Cannon clamp, Baker Hughes EA Retrievamatic packer, seating nipple, and first joint of 2 7/8 tubing onto which is clamped two Schlumberger memory gauges attached with a Cannon clamp. All tools measured and callipered. Memory gauges set for 15 second sampling rate for one month. Ran test string in well to 5760. Shut down for night. In the last two days the ISGS sampling team have prepared fluid sampling station and portable lab and have made up collection points at both the swab tee and at the fluid entry point into the flat tank. Next 24 hours: Isolate lowermost set of

perforations (granite wash) and swab test. If no recovery move tool to isolate the lowermost Mt. Simon perforations and swab test for fluid samples.

May 2, 2011:

Rigged Schlumberger to well and perforated in two runs the following intervals using 3.5" PowerJet Omega 3106 HMX charges:

7061.2-7064.2 6 spf 60 degree phase 18 total shots

6983-6985.5 4 spf 120 deg ph 11 total shots

6945.6-6949.1 4 spf 120 deg ph 11 total shots

6837.1-6840.6 4 spf 120 deg ph 11 total shots

6720.3-6723.8 4 spf 120 deg ph 11 total shots

6632.3-6635.8 4 spf 120 deg ph 11 total shots

6416.2-6419.7 4 spf 120 deg ph 11 total shots

5840.4- 5843.9 4 spf 120 deg ph 11 total shots

5653.8-5657.3 4 spf 120 deg ph 11 total shots

5000.7-5003.7 6 spf 60 deg ph 18 total shots

4917.5-4902.5 6 spf 60 deg ph 18 total shots

All guns fired. Reference log SLB RST ran 3/15, 2011. Wireline TD 7166. Ran PMIT casing inspection log. Shut well in. Shut down for night. Next 24 hours Trip in hole with bit and scraper, trip back out of hole. Pick up retrievable packer and plug and memory gauges.

May 1, 2011:

Tested pipe rams and casing to 675 psi for 30 minutes. Good test. Tripped out of hole tallying tubing. New tubing PBTD 7165. Filled hole with 9.2 ppg brine. Tested blind rams and casing to 375 psi for thirty minutes. Good test. Spot Schlumberger

perforating truck to well and lay out equipment. Shut down for night. Next 24 hrs activity: Perforate 11 zones, run casing inspection log, trip in hole with bit and scraper and circulate well.

April 30, 2011:

Picked up 4 ¾ inch bit and casing scraper. Ran in hole on new 2 7/8 EUE 8rd 6.5 #/ft L-80 tubing. Tallied tubing going in hole. Started to tag soft fill at approximately 7120. Rigged to reverse circulate washed down to approximately 7147 and found hard PBTD. Circulated hole with clean 9.2 ppg brine. Circulated total of 210 bbls. Shut down for night. Note: Depths are approximate. Windy conditions made tallying pipe difficult, will re-tally today. Shut down for night Next 24 hrs: pressure test casing and pipe rams. Trip out of hole tallying tubing and rig to perforate.

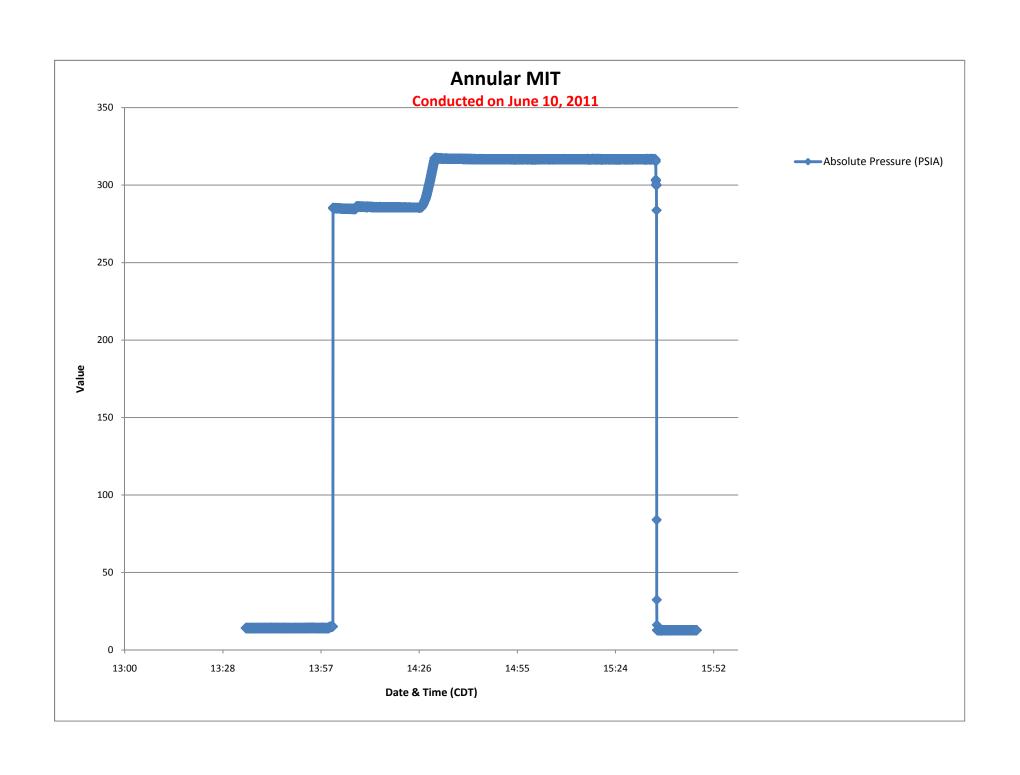
April 29, 2011:

Spotted support equipment and rigged up. Moved completion unit over well and rigged up. Nippled up 7 1/16 5K BOP and function tested. Offloaded 7308 feet of new 2 7/8 6.5#/ft EUE L-80 tubing onto pipe racks. Rigged up pump and lines and prepared to start picking up tubing. Shut down for night.

April 28, 2011:

Moved in Key Energy Services completion unit to wellsite. Added gravel to level site and build base. Conducted five hour safety and operations meeting with personnel from ADM, ISGS, University of Illinois, Schlumberger Carbon Services, and Schlumberger Water Services – Westbay. Moved in support equipment and drove rig to location. Shut down for night.

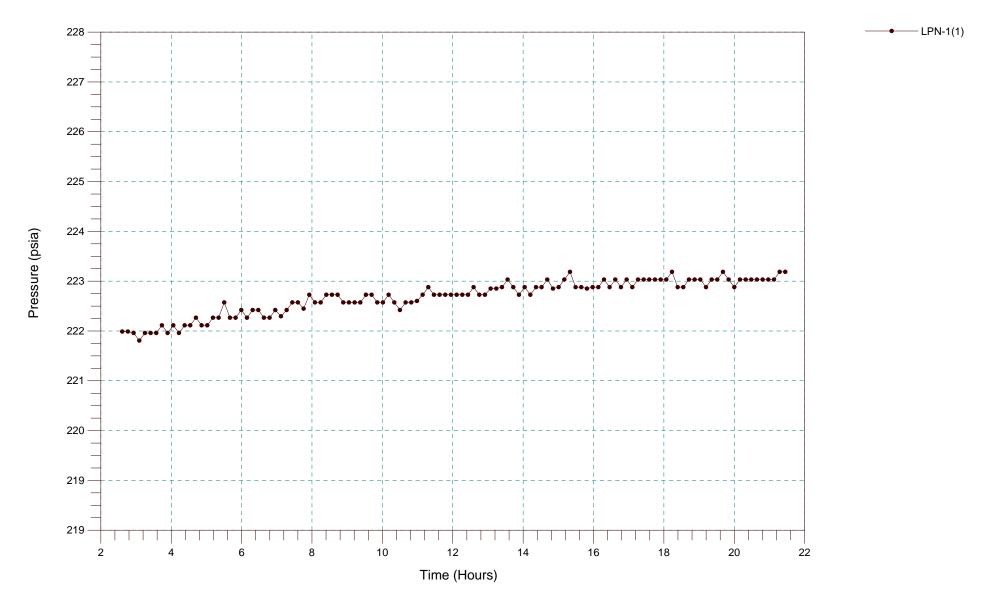
Appendix X. Records of Tests and Logs During and After Drilling (see boxes labeled X.A and X.B)



Project: Description:

Time/Data (Pressure)

Company: Site:



TZero: Mon Jun 13 15:46:40 2011

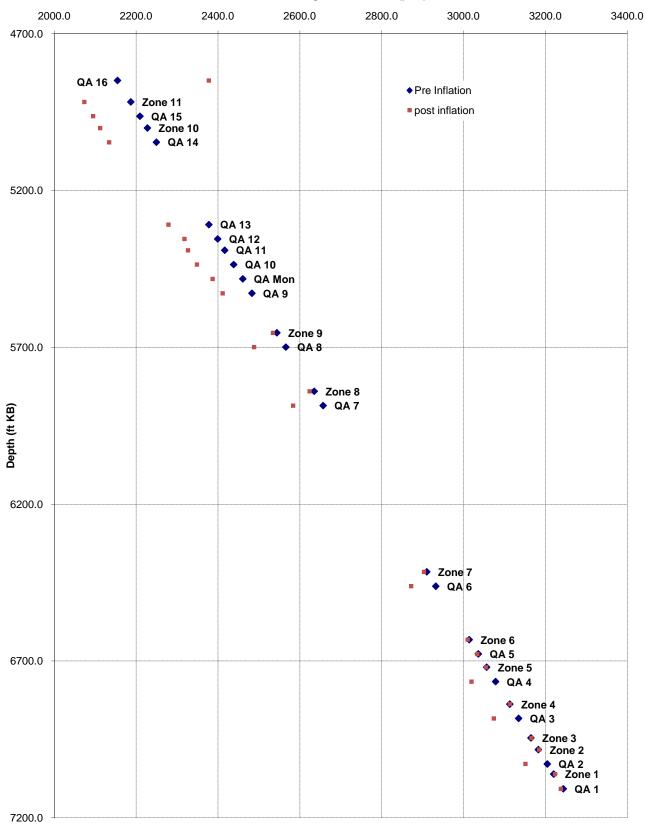
Report Date: Tue Jun 14 09:10:21 2011

Tubing June 13 - 14.WD2

Pressure Measurement Profile: Monitoring Well: ADM-IBDP-WV-1

Profile Date: June 11/2011 Comments: Pre and Post-Inflation





Client:Schlumberger/ISGS Site:Decatur, IL

Datum: KB Figure 4

Appendix XI. Casing and Centralizer Tally Sheets

Warren Service Co.

Distributor For Elder Oil Tools

DOUGLAS S. WARREN CARMI, IL 62821 618-384-2117

DATE 9/25/10 WELL NO. MMY#1 LEASE IBDP

FIELD ADM

	Statement where the second statement and the second statement of the second st			
/ \	KER			
1 1.00 5	hoe			
2 1,20 (6	llar			
3 42.18 X				
5 42.18 5 42.16				
6 42 110				
6 42.11				
7 42.14				
8 42.18				
9 42.19				
10 42,23	0177			
11 42.15 3	61.76			
12 42.18 4	23.90			
13	Leave	out last it		
14				
15381.72				
16.599	HOLE			
5/1-70	1007			
16·377. 1 17 4.72	4			
18				
19				
20				

133/8 54.5# APT 1/K-55

TUBING SIZE AND CAPACITY			CASING SIZE AND CAPACITY				
OD	WEIGHT		BBL/FT		WEIGHT		BBL/FT
1.900	2.90	1.610	.0025	4.1/2	9.50		0.0162
2.375	4.70	1.995			10.50	4.052	0.0159
2.875	6.40	2.441	.0058	4.1/2			0.0149
2.875	8.60	2.259			14.00	5.012	0.0244
3.500	9.30	2.992				4.950	0.0238
3.500	10.20	2.922				4.892	0.0232
3.500	12.95	2.750	0074			4.778	0.0222
3.500	9.50	3.548	.0122			6.538	0.0415
4.500	12.75	3.958	.0152			6.456	0.0405
						6.366	0.0394

Prepared by: Jim Kirksey	IPM	Ref. IPM-FO-WCI-007
Verified by:	Casing Tally Template (Oilfield Units)	Ver. 1.0.0
Date: 10/26/2010	Casing rany reinplate (Office Office)	Issued: Jun 2009

	WHENCO.	-	-
		11111	
-70 - 1			
Schl			W

Well: Verification Well # 1
Rig: Pioneer 15
Date: 26-Oct-10

WSS: AWSS: RM:

Date: 26-Oct-10						RM:								
							CTDING 1	CTDING 0	CTDING 2	CTDING 4		CTDING 1	Thread LTC	Make up Torque
	HOLE :	SIZE	12.25	[in]	CA	SING / DP OD:	9 5/8	STRING 2	STRING 3	STRING 4	[in]	STRING 1 STRING 2	LIG	
	MW:	O.LL	9	[ppg]	07.	ID:	8.835				[in]	STRING 3	,	
	on Factor		0.863			WEIGHT:	40				[lb/ft]	STRING 4		
Total	CENTRA	LIZERS	25		DIC	CAPACITY.: PLACEMENT.:	0.076 0.090	0.000 0.000	0.000	0.000	[bbl/ft]	TD Shoe Depth	5320.00	
				CUMUL.	ופוט	PLACEWIEN I		ı	0.000	0.000	[bbl/ft]	Shoe Deptr	5319.00	<u>l</u> [itj
N°	CENT	IN: YES /NO	LENGTH [ft]	LENGTH	GRADE	CONECTION	AIR WEIGHT / JOINT [Ib/ft]	METAL DISP VOL [bbl]	CUMUL. FLOT WT. [KIb]	TOP DEPTH [ft]		REMA	ARKS	
Shoe		YES	2.10	2.10	N-80	LTC	0.0	#N/A	0	5316.90				
1 2	X	YES YES	46.47 46.24	48.57 94.81	N-80	LTC	40.0 40.0	#N/A #N/A	1.6 3.2	5270.43 5224.19		Baker Lo	ck at top	
	^	NO	40.24	94.81			40.0	#N/A #N/A	3.2	5224.19				
F. Collar		YES	2.20	97.01	N-80	LTC		#N/A	3.2	5221.99				
3	х	\/=0	46.45	143.46	N-80	LTC	40.0	#N/A	4.8	5175.54		Baker Lo	ck at top	
4	х	YES YES	45.33	188.79	N-80	LTC	40.0	#N/A	6.4	5130.21				
5	X	YES	46.50	235.29	N-80	LTC	40.0	#N/A	8.0	5083.71				
6	Χ	YES	46.53	281.82	N-80	LTC	40.0	#N/A	9.6	5037.18				
7	X	YES	46.42	328.24	N-80	LTC	40.0	#N/A	11.2	4990.76				
<u>8</u> 9	X	YES YES	45.65 46.47	373.89 420.36	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	12.8 14.4	4945.11 4898.64				
10	X	YES	46.44	466.80	N-80	LTC	40.0	#N/A	16.0	4852.20				
11	Х	YES	46.38	513.18	N-80	LTC	40.0	#N/A	17.6	4805.82				
12	Х	YES YES	46.52 46.55	559.70 606.25	N-80	LTC	40.0 40.0	#N/A #N/A	19.2	4759.30				
13 14		YES	46.55 47.10	653.35	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	20.8 22.4	4712.75 4665.65				
15		YES	46.50	699.85	N-80	LTC	40.0	#N/A	24.0	4619.15				
16		YES	46.55	746.40	N-80	LTC	40.0	#N/A	25.6	4572.60		Loss	Zone	
17 18		YES YES	46.57	792.97	N-80	LTC LTC	40.0 40.0	#N/A	27.2	4526.03				
19		YES	46.67 46.30	839.64 885.94	N-80 N-80	LTC	40.0	#N/A #N/A	28.8 30.4	4479.36 4433.06				
20		YES	46.52	932.46	N-80	LTC	40.0	#N/A	32.0	4386.54				
21		YES	45.05	977.51	N-80	LTC	40.0	#N/A	33.6	4341.49				
22 23		YES YES	46.56 46.17	1024.07 1070.24	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	35.2 36.8	4294.93 4248.76				
23		YES	46.63	1116.87	N-80	LTC	40.0	#N/A #N/A	38.4	4248.76				
25		YES	46.56	1163.43	N-80	LTC	40.0	#N/A	40.0	4155.57	***************************************			***************************************
26		YES	45.67	1209.10	N-80	LTC	40.0	#N/A	41.6	4109.90				
27 28		YES YES	46.37 46.52	1255.47 1301.99	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	43.2 44.8	4063.53 4017.01				
29	х	YES	46.68	1348.67	N-80	LTC	40.0	#N/A #N/A	46.4	3970.33				
30		YES	45.72	1394.39	N-80	LTC	40.0	#N/A	48.0	3924.61				
31	Х	YES	46.84	1441.23	N-80	LTC	40.0	#N/A	49.6	3877.77				
32	Х	YES	46.55	1487.78	N-80	LTC	40.0 40.0	#N/A #N/A	51.2	3831.22 3784.48				
33 34	^	YES YES	46.74 46.30	1534.52 1580.82	N-80 N-80	LTC LTC	40.0	#N/A #N/A	52.8 54.4	3738.18		Cement	basket	
35		YES	46.67	1627.49	N-80	LTC	40.0	#N/A	56.0	3691.51		Stage co		
36	Х	YES	46.70	1674.19	N-80	LTC	40.0	#N/A	57.6	3644.81				
37 38	Х	YES YES	46.52 46.50	1720.71 1767.21	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	59.2 60.8	3598.29 3551.79				
39	^_	YES	44.85	1812.06	N-80	LTC	40.0	#N/A #N/A	62.4	3506.94				
40	Х	YES	46.50	1858.56	N-80	LTC	40.0	#N/A	64.0	3460.44				
41		YES	44.18	1902.74	N-80	LTC	40.0	#N/A	65.5	3416.26				
42 43		YES YES	46.57 45.53	1949.31 1994.84	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	67.1 68.7	3369.69 3324.16				
44		YES	46.40	2041.24	N-80	LTC	40.0	#N/A #N/A	70.3	3277.76				
45		YES	41.40	2082.64	N-80	LTC	40.0	#N/A	71.7	3236.36				
46	Х	YES	46.50	2129.14	N-80	LTC	40.0	#N/A	73.3	3189.86				
47 48		YES YES	45.40 45.87	2174.54 2220.41	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	74.9 76.5	3144.46 3098.59				
49		YES	46.37	2266.78	N-80	LTC	40.0	#N/A	78.1	3052.22	1			
50		YES	46.55	2313.33	N-80	LTC	40.0	#N/A	79.7	3005.67				
51		YES	47.42	2360.75	N-80	LTC	40.0	#N/A	81.3	2958.25				
52 53	Х	YES YES	46.50 46.52	2407.25 2453.77	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	82.9 84.5	2911.75 2865.23	<u> </u>			
54		YES	44.70	2498.47	N-80	LTC	40.0	#N/A	86.1	2820.53	1			
55		YES	46.53	2545.00	N-80	LTC	40.0	#N/A	87.7	2774.00				
56		YES	43.98	2588.98	N-80	LTC	40.0	#N/A	89.2	2730.02			.,	
57 58	Х	YES YES	46.00 46.53	2634.98 2681.51	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	90.8 92.4	2684.02 2637.49				
59		YES	46.55	2728.06	N-80	LTC	40.0	#N/A	94.0	2590.94				
60		YES	46.50	2774.56	N-80	LTC	40.0	#N/A	95.6	2544.44				
61		YES	46.40	2820.96	N-80	LTC	40.0	#N/A	97.2	2498.04				
62 63		YES YES	45.66 45.38	2866.62 2912.00	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	98.8 100.3	2452.38 2407.00				
64	х	YES	46.15	2958.15	N-80	LTC	40.0	#N/A #N/A	101.9	2360.85	l			
65		YES	45.33	3003.48	N-80	LTC	40.0	#N/A	103.5	2315.52				
66		YES	46.50	3049.98	N-80	LTC	40.0	#N/A #N/A	105.1	2269.02				
67 68	-	YES YES	38.00 37.53	3087.98 3125.51	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	106.4 107.7	2231.02 2193.49				
69		YES	46.48	3171.99	N-80	LTC	40.0	#N/A #N/A	107.7	2147.01				
70	Х	YES	44.62	3216.61	N-80	LTC	40.0	#N/A	110.8	2102.39				
71		YES	45.54	3262.15	N-80	LTC	40.0	#N/A	112.4	2056.85				
72 73		YES YES	46.04 47.38	3308.19 3355.57	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	114.0 115.6	2010.81 1963.43				
74		YES	46.60	3402.17	N-80	LTC	40.0	#N/A	117.2	1916.83				
75	Х	YES	44.92	3447.09	N-80	LTC	40.0	#N/A	118.8	1871.91				

N°	CENT	IN: YES /NO	LENGTH [ft]	CUMUL. LENGTH	GRADE	CONECTION	AIR WEIGHT / JOINT [lb/ft]	METAL DISP VOL [bbl]	CUMUL. FLOT WT. [KIb]	TOP DEPTH [ft]	REMARKS
76		YES	43.50	3490.59	N-80	LTC	40.0	#N/A	120.3	1828.41	
77 78	-	YES YES	46.60 46.68	3537.19 3583.87	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	121.9 123.5	1781.81 1735.13	
79	<u> </u>	YES	46.78	3630.65	N-80	LTC	40.0	#N/A	125.1	1688.35	
80		YES	40.00	3670.65	N-80	LTC	40.0	#N/A	126.5	1648.35	
81 82	-	YES YES	46.00 46.57	3716.65 3763.22	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	128.1 129.7	1602.35 1555.78	
83		YES	44.74	3807.96	N-80	LTC	40.0	#N/A	131.2	1511.04	
84 85		YES YES	46.50 44.36	3854.46 3898.82	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	132.8 134.4	1464.54 1420.18	
86	<u> </u>	YES	46.55	3945.37	N-80	LTC	40.0	#N/A #N/A	136.0	1373.63	
87		YES	46.52	3991.89	N-80	LTC	40.0	#N/A	137.6	1327.11	
88 89	-	YES YES	46.30 41.76	4038.19 4079.95	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	139.2 140.6	1280.81 1239.05	
90		YES	45.64	4125.59	N-80	LTC	40.0	#N/A	142.2	1193.41	
91		YES	46.52	4172.11	N-80	LTC	40.0	#N/A	143.8	1146.89	
92 93	-	YES YES	45.18 44.08	4217.29 4261.37	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	145.4 146.9	1101.71 1057.63	
94		YES	46.03	4307.40	N-80	LTC	40.0	#N/A	148.5	1011.60	
95 96	-	YES YES	44.95 46.06	4352.35 4398.41	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	150.0 151.6	966.65 920.59	
97		YES	46.52	4444.93	N-80	LTC	40.0	#N/A	153.2	874.07	
98		YES	45.70	4490.63	N-80	LTC	40.0	#N/A	154.8	828.37	
99		YES YES	45.58 46.43	4536.21 4582.64	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	156.4 158.0	782.79 736.36	
101		YES	46.54	4629.18	N-80	LTC	40.0	#N/A	159.6	689.82	
102		YES	46.53	4675.71	N-80	LTC	40.0	#N/A	161.2	643.29	
103 104		YES YES	46.03 45.70	4721.74 4767.44	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	162.8 164.3	597.26 551.56	
105		YES	45.43	4812.87	N-80	LTC	40.0	#N/A	165.9	506.13	
106 107		YES YES	46.68 46.56	4859.55 4906.11	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	167.5 169.1	459.45 412.89	
108		YES	46.52	4952.63	N-80	LTC	40.0	#N/A	170.7	366.37	
109		YES	46.55	4999.18	N-80	LTC	40.0	#N/A	172.3	319.82	
110 111		YES YES	46.45 45.85	5045.63 5091.48	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	173.9 175.5	273.37 227.52	
112		YES	45.88	5137.36	N-80	LTC	40.0	#N/A	177.1	181.64	
113 114	-	YES YES	45.58 46.64	5182.94 5229.58	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	178.7 180.3	136.06 89.42	
115	Х	YES	46.58	5276.16	N-80	LTC	40.0	#N/A #N/A	181.9	42.84	
116		NO	45.45	5276.16	N-80	LTC	40.0	#N/A	181.9	42.84	
117 118		NO YES	45.80 45.18	5276.16 5321.34	N-80 N-80	LTC LTC	40.0 40.0	#N/A #N/A	181.9 183.5	42.84 -2.34	
119		NO	46.55	5321.34	N-80	LTC	40.0	#N/A	183.5	-2.34	
	-										
	-										
	 										
	-										
	-			-							
	 										
	 										
	<u> </u>										
	 			ļ					<u> </u>		
<u></u>	<u> </u>										
	ļ										
ļ	-								-		
	+										
	 										
	<u> </u>										

N°	CENT	IN: YES /NO	LENGTH [ft]	CUMUL. LENGTH	GRADE	CONECTION	AIR WEIGHT / JOINT [lb/ft]	METAL DISP VOL [bbl]	CUMUL. FLOT WT. [KIb]	TOP DEPTH [ft]	REMARKS
	ļ										
	ļ										
	ļ										
	 										
											
	-										
	<u> </u>										
	-										
	1								I		1

	LONG	LONG CUMMUL	DEPTH
	[ft]	[ft]	[ft]
LANDING JOINT		0.00	90.37
HANGER		0.00	90.37
CROSS OVER		0.00	90.37
(114) JOINTS	5224.33	5224.33	90.37
FLOAT COLLAR	2.20	5226.53	5314.70
(Number of) JOINTS		5226.53	5316.90
SHOE	2.10	5228.63	5316.90

			String Capacity	<u>/</u>			
LENGTH STRING 1 [ft]	40.00	5317.0	403.18	[bbl]			
LENGTH STRING 2 [ft]	0.00	4.3	0.00	[bbl]			
LENGTH STRING 3 [ft]	0.00	4.3	0.00	[bbl]			
LENGTH STRING 4 [ft]	0.00	[bbl]					
	WI	ELL VOL. [bbl]	776	T			
	ANNULAR VOL. [bbl]						
TOTAL VOLUME	403	1					
	1/2 SHC	ETRACK [bbl]	0.0	1			

Joints in location 119 used joints 116 Not used 3

ADM VERIFICATION WELL #1 5 1/2 INCH CASING TALLY

Prepared by: PTH Jr (Note: Mt Simon completely covered with Chrome) Casing Tally 5 1/2" ADM Verification Well #1 13 Cr85 & J55 Casing REAP/1 TO 8 Total Depth **7272** EST TD

3 Cr85 & J55 Casing, BEAR/LTC & accessories	3	Cr85 & J5	55 Casing	, BEAR/LTC &	accessories
---	---	-----------	-----------	--------------	-------------

	o Casing, BE							
Jt #	Length	Total	Тор	Bottom	Grade	Wt	Thread	Cent.
1	41.65	41.65	7230.35	7272.00	13 Cr85	17.00	BEAR	1
2	39.69	81.34	7190.66	7230.35	13 Cr85	17.00	BEAR	
3	41.77	123.11	7148.89	7190.66	13 Cr85	17.00	BEAR	2
4	39.68	162.79	7109.21	7148.89	13 Cr85	17.00	BEAR	
5	39.64	202.43	7069.57	7109.21	13 Cr85	17.00	BEAR	3
6	39.65	242.08	7029.92	7069.57	13 Cr85	17.00	BEAR	
7	39.62	281.70	6990.30	7029.92	13 Cr85	17.00	BEAR	4
8	39.67	321.37	6950.63	6990.30	13 Cr85	17.00	BEAR	
9	39.62	360.99	6911.01	6950.63	13 Cr85	17.00	BEAR	5
10	39.66	400.65	6871.35	6911.01	13 Cr85	17.00	BEAR	
11	38.03	438.68	6833.32	6871.35	13 Cr85	17.00	BEAR	
12	39.68	478.36	6793.64	6833.32	13 Cr85	17.00	BEAR	6
13	39.69	518.05	6753.95	6793.64	13 Cr85	17.00	BEAR	
14	37.92	555.97	6716.03	6753.95	13 Cr85	17.00	BEAR	7
15	39.66	595.63	6676.37	6716.03	13 Cr85	17.00	BEAR	
16	39.71	635.34	6636.66	6676.37	13 Cr85	17.00	BEAR	8
17	39.67	675.01	6596.99	6636.66	13 Cr85	17.00	BEAR	
18	39.64	714.65	6557.35	6596.99	13 Cr85	17.00	BEAR	9
19	39.22	753.87	6518.13	6557.35	13 Cr85	17.00	BEAR	
20	39.27	793.14	6478.86	6518.13	13 Cr85	17.00	BEAR	
21	39.68	832.82	6439.18	6478.86	13 Cr85	17.00	BEAR	10
22	39.62	872.44	6399.56	6439.18	13 Cr85	17.00	BEAR	
23	39.70	912.14	6359.86	6399.56	13 Cr85	17.00	BEAR	11
24	38.68	950.82	6321.18	6359.86	13 Cr85	17.00	BEAR	
25	39.68	990.50	6281.50	6321.18	13 Cr85	17.00	BEAR	12
26	39.68	1030.18	6241.82	6281.50	13 Cr85	17.00	BEAR	
27	39.63	1069.81	6202.19	6241.82	13 Cr85	17.00	BEAR	13
28	39.61	1109.42	6162.58	6202.19	13 Cr85	17.00	BEAR	
29	39.70	1149.12	6122.88	6162.58	13 Cr85	17.00	BEAR	
30	38.94	1188.06	6083.94	6122.88	13 Cr85	17.00	BEAR	14
	0.00							
	0.00							
<u> </u>	1188.06		•	•			•	

1027.19

Chrome

2215.25 total net chrome

Y = BOW SPRING CENTRALIZER @ CASING COUPLINGS YS = BOW SPRING CENTRALIZER WITH STOP RING

Jt #	Length	Total	Тор	Bottom	Grade	Wt	Thread	Cent
31	39.64	1227.70	6044.30	6083.94		17.00	BEAR	00111.
32	39.66	1267.36	6004.64		13 Cr85	17.00	BEAR	
33	39.65	1307.01	5964.99	6004.64	13 Cr85	17.00	BEAR	15
34	38.21	1345.22	5926.78	5964.99	13 Cr85	17.00	BEAR	
35	39.64	1384.86	5887.14	5926.78	13 Cr85	17.00	BEAR	
36	39.69	1424.55	5847.45	5887.14	13 Cr85	17.00	BEAR	16
37	39.60	1464.15	5807.85	5847.45	13 Cr85	17.00	BEAR	
38	39.60	1503.75	5768.25	5807.85	13 Cr85	17.00	BEAR	17
39	39.70	1543.45	5728.55	5768.25	13 Cr85	17.00	BEAR	
40	39.27	1582.72	5689.28	5728.55	13 Cr85	17.00	BEAR	18
41	39.69	1622.41	5649.59	5689.28	13 Cr85	17.00	BEAR	
42	39.53	1661.94	5610.06	5649.59	13 Cr85	17.00	BEAR	19
43	39.23	1701.17	5570.83	5610.06	13 Cr85	17.00	BEAR	
44	39.30	1740.47	5531.53	5570.83	13 Cr85	17.00	BEAR	
45	39.65	1780.12	5491.88	5531.53	13 Cr85	17.00	BEAR	20
46	39.63	1819.75	5452.25	5491.88	13 Cr85	17.00	BEAR	
47	39.63	1859.38	5412.62	5452.25	13 Cr85	17.00	BEAR	
48	39.67	1899.05	5372.95	5412.62	13 Cr85	17.00	BEAR	21
49	39.63	1938.68	5333.32	5372.95	13 Cr85	17.00	BEAR	
50	39.65	1978.33	5293.67	5333.32	13 Cr85	17.00	BEAR	22
51	39.64	2017.97	5254.03	5293.67	13 Cr85	17.00	BEAR	
52	39.64	2057.61	5214.39	5254.03		17.00	BEAR	23
53	39.27	2096.88	5175.12	5214.39	13 Cr85	17.00	BEAR	
54	39.25	2136.13	5135.87	5175.12	13 Cr85	17.00	BEAR	24
55	39.20	2175.33	5096.67	5135.87	13 Cr85	17.00	BEAR	
56	39.92	2215.25	5056.75	5096.67	13 Cr85	17.00	BEAR	25
57	46.11	2261.36	5010.64	5056.75	J55	17.00	LTC	
58	45.20	2306.56	4965.44	5010.64	J55	17.00	LTC	26
59	43.94	2350.50	4921.50	4965.44	J55	17.00	LTC	
60	41.71	2392.21	4879.79	4921.50	J55	17.00	LTC	27

1027.19

Casing Tally 5 1/2" Tally ADM Verification Well #1 'Y = BOW SPRING CENTRALIZER @ CASING COUPLINGS

Jt#	Length	Total	Top	Bottom	Grade	Wt	Thread	Cent.	
61	45.91	2438.12	4833.88	4879.79	J55	17.00	LTC		
62	46.24	2484.36	4787.64	4833.88	J55	17.00	LTC		
63	45.82	2530.18	4741.82	4787.64	J55	17.00	LTC	28	
64	42.44	2572.62	4699.38	4741.82	J55	17.00	LTC		
65	45.91	2618.53	4653.47	4699.38	J55	17.00	LTC		
66	45.11	2663.64	4608.36	4653.47	J55	17.00	LTC	29	
67	45.83	2709.47	4562.53	4608.36	J55	17.00	LTC		
68	44.42	2753.89	4518.11	4562.53	J55	17.00	LTC		
69	46.27	2800.16	4471.84	4518.11	J55	17.00	LTC	30	
70	45.97	2846.13	4425.87	4471.84	J55	17.00	LTC		
71	45.42	2891.55	4380.45	4425.87	J55	17.00	LTC		
72	45.82	2937.37	4334.63	4380.45	J55	17.00	LTC	31	
73	46.23	2983.60	4288.40	4334.63	J55	17.00	LTC		
74	45.55	3029.15	4242.85	4288.40	J55	17.00	LTC		
75	45.96	3075.11	4196.89	4242.85	J55	17.00	LTC		
76	45.51	3120.62	4151.38	4196.89	J55	17.00	LTC		
77	46.45	3167.07	4104.93	4151.38	J55	17.00	LTC		
78	45.22	3212.29	4059.71	4104.93	J55	17.00	LTC	32	
79	43.98	3256.27	4015.73	4059.71	J55	17.00	LTC		
80	40.20	3296.47	3975.53	4015.73	J55	17.00	LTC		
81	41.70	3338.17	3933.83	3975.53	J55	17.00	LTC		
82	44.90	3383.07	3888.93	3933.83	J55	17.00	LTC		
83	45.23	3428.30	3843.70	3888.93	J55	17.00	LTC		
84	45.14	3473.44	3798.56	3843.70	J55	17.00	LTC	33	
85	44.53	3517.97	3754.03	3798.56	J55	17.00	LTC		
86	43.27	3561.24	3710.76	3754.03	J55	17.00	LTC		
87	40.23	3601.47	3670.53	3710.76	J55	17.00	LTC		
88	43.20	3644.67	3627.33	3670.53	J55	17.00	LTC		
89	43.19	3687.86	3584.14	3627.33	J55	17.00	LTC		
90	44.77	3732.63	3539.37	3584.14	J55	17.00	LTC	34	

Jt#	Length	Total	Top	Bottom	Grade	Wt	Thread	Cent.
91	44.74	3777.37	3494.63	3539.37	J55	17.00	LTC	
92	45.29	3822.66	3449.34	3494.63	J55	17.00	LTC	
93	42.59	3865.25	3406.75	3449.34	J55	17.00	LTC	
94	41.96	3907.21	3364.79	3406.75	J55	17.00	LTC	
95	44.82	3952.03	3319.97	3364.79	J55	17.00	LTC	
96	45.71	3997.74	3274.26	3319.97	J55	17.00	LTC	35
97	45.57	4043.31	3228.69	3274.26	J55	17.00	LTC	
98	45.44	4088.75	3183.25	3228.69	J55	17.00	LTC	
99	43.33	4132.08	3139.92	3183.25	J55	17.00	LTC	
100	45.29	4177.37	3094.63	3139.92	J55	17.00	LTC	
101	38.66	4216.03	3055.97	3094.63	J55	17.00	LTC	
102	45.94	4261.97	3010.03	3055.97	J55	17.00	LTC	36
103	43.55	4305.52	2966.48	3010.03	J55	17.00	LTC	
104	46.91	4352.43	2919.57	2966.48	J55	17.00	LTC	
105	46.33	4398.76	2873.24	2919.57	J55	17.00	LTC	
106	39.39	4438.15	2833.85	2873.24	J55	17.00	LTC	
107	46.43	4484.58	2787.42	2833.85	J55	17.00	LTC	
108	45.55	4530.13	2741.87	2787.42	J55	17.00	LTC	37
109	45.67	4575.80	2696.20	2741.87	J55	17.00	LTC	
110	45.98	4621.78	2650.22	2696.20	J55	17.00	LTC	
111	44.88	4666.66	2605.34	2650.22	J55	17.00	LTC	
112	45.88	4712.54	2559.46	2605.34	J55	17.00	LTC	
113	45.88	4758.42	2513.58	2559.46	J55	17.00	LTC	
114	45.47	4803.89	2468.11	2513.58	J55	17.00	LTC	38
115	43.69	4847.58	2424.42	2468.11	J55	17.00	LTC	
116	46.06	4893.64	2378.36	2424.42	J55	17.00	LTC	
117	44.29	4937.93	2334.07	2378.36	J55	17.00	LTC	
118	43.76	4981.69	2290.31	2334.07	J55	17.00	LTC	
119	45.87	5027.56	2244.44	2290.31	J55	17.00	LTC	
120	39.93	5067.49	2204.51	2244.44	J55	17.00	LTC	39
. —	•		•			•		· — ·

Casing Tally 5 1/2" Tally ADM Verification Well #1

Y = BOW SPRING CENTRALIZER @ CASING COUPLINGS

Jt#	Length	Total	Top	Bottom	Grade	Wt	Thread	Cent.
121	45.66	5113.15	2158.85	2204.51	J55	17.00	LTC	
122	45.64	5158.79	2113.21	2158.85	J55	17.00	LTC	
123	46.18	5204.97	2067.03	2113.21	J55	17.00	LTC	
124	43.64	5248.61	2023.39	2067.03	J55	17.00	LTC	
125	45.97	5294.58	1977.42	2023.39	J55	17.00	LTC	
126	44.18	5338.76	1933.24	1977.42	J55	17.00	LTC	40
127	44.92	5383.68	1888.32	1933.24	J55	17.00	LTC	
128	45.13	5428.81	1843.19	1888.32	J55	17.00	LTC	
129	43.65	5472.46	1799.54	1843.19	J55	17.00	LTC	
130	45.00	5517.46	1754.54	1799.54	J55	17.00	LTC	
131	46.31	5563.77	1708.23	1754.54	J55	17.00	LTC	
132	45.86	5609.63	1662.37	1708.23	J55	17.00	LTC	41
133	45.77	5655.40	1616.60	1662.37	J55	17.00	LTC	
134	39.10	5694.50	1577.50	1616.60	J55	17.00	LTC	
135	45.52	5740.02	1531.98	1577.50	J55	17.00	LTC	
136	39.63	5779.65	1492.35	1531.98	J55	17.00	LTC	
137	45.77	5825.42	1446.58	1492.35	J55	17.00	LTC	
138	44.65	5870.07	1401.93	1446.58	J55	17.00	LTC	42
139	44.16	5914.23	1357.77	1401.93	J55	17.00	LTC	
140	42.86	5957.09	1314.91	1357.77	J55	17.00	LTC	
141	45.66	6002.75	1269.25	1314.91	J55	17.00	LTC	
142	45.39	6048.14	1223.86	1269.25	J55	17.00	LTC	
143	46.01	6094.15	1177.85	1223.86	J55	17.00	LTC	
144	45.82	6139.97	1132.03	1177.85	J55	17.00	LTC	43
145	45.58	6185.55	1086.45	1132.03	J55	17.00	LTC	
146	45.51	6231.06	1040.94	1086.45	J55	17.00	LTC	
147	45.72	6276.78	995.22	1040.94	J55	17.00	LTC	
148	45.92	6322.70	949.30	995.22	J55	17.00	LTC	
149	45.76	6368.46	903.54	949.30	J55	17.00	LTC	
150	43.26	6411.72	860.28	903.54	J55	17.00	LTC	44

Jt #	Length	Total	Top	Bottom	Grade	Wt	Thread	Cent.	_	
151	40.86	6452.58	819.42	860.28	J55	17.00	LTC			
152	44.49	6497.07	774.93	819.42	J55	17.00	LTC			
153	45.48	6542.55	729.45	774.93	J55	17.00	LTC			
154	45.79	6588.34	683.66	729.45	J55	17.00	LTC			
155	46.21	6634.55	637.45	683.66	J55	17.00	LTC			
156	46.13	6680.68	591.32	637.45	J55	17.00	LTC	45		
157	45.03	6725.71	546.29	591.32	J55	17.00	LTC			
158	45.97	6771.68	500.32	546.29	J55	17.00	LTC			
159	45.86	6817.54	454.46	500.32	J55	17.00	LTC			
160	46.19	6863.73	408.27	454.46	J55	17.00	LTC			
161	43.86	6907.59	364.41	408.27	J55	17.00	LTC			
162	45.50	6953.09	318.91	364.41	J55	17.00	LTC	46		
163	40.95	6994.04	277.96	318.91	J55	17.00	LTC			
164	40.46	7034.50	237.50	277.96	J55	17.00	LTC			
165	46.02	7080.52	191.48	237.50	J55	17.00	LTC			
166	43.95	7124.47	147.53	191.48	J55	17.00	LTC			
167	42.76	7167.23	104.77	147.53	J55	17.00	LTC			
168	44.85	7212.08	59.92	104.77	J55	17.00	LTC			
169	46.34	7258.42	13.58	59.92	J55	17.00	LTC		13 ft up	+
170	45.40	7303.82	-31.82	13.58	J55	17.00	LTC			·
171	45.84	7349.66	-77.66	-31.82	J55	17.00	LTC			
172	45.60	7395.26	-123.26	-77.66	J55	17.00	LTC			le
173	44.75	7440.01	-168.01	-123.26	J55	17.00	LTC			6
174	45.80	7485.81	-213.81	-168.01	J55	17.00	LTC			
175	46.21	7532.02	-260.02	-213.81	J55	17.00	LTC			m
176										C
177									1	
178										
179									1	
180									1	
<u> </u>									4	

+/-depending on WL TD

leave out 6 jts out

matches closely with rig count of 7,531.93 ft

400.65

392.49

394.92

394.66

395.61

413.88

453.92 450.34

436.16

444.74

444.41

445.71 449.97

439.58

454.63 452.01

440.09

228.2

7531.97

Appendix XIII.C Revised UIC Form 4g

UIC Form 4g, Plugging and Abandonment

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY UNDERGROUND INJECTION CONTROL PERMIT APPLICATION FORM 4g - PLUGGING AND ABANDONMENT PROCEDURE

USEPA I.D. NUMBE	R <u>ILD984791459</u>
IEPA I.D. NUMBER	1150155136
UIC Well Number	Verification Well #1

I. Description of Plugging Procedures

The plugging and abandonment design reflects minimum requirements to sustain the integrity of the caprock to ensure CO₂ remains in the Mt. Simon. Any unforeseen changes necessary to plug and abandon this well will meet or exceed these requirements in terms of strength and CO₂ compatibility.

A. Abandonment during construction

Removal of subsurface well features: There are three scenarios under which abandonment may occur during well construction (or drilling) and completion while the wellbore is open or uncased: Drilling the Surface Hole (<375 ft), Drilling Intermediate Hole (<5,300 ft), and Drilling Long-String Hole (<7,500 ft).

During all three scenarios, the drill string (drill collars, drill pipe, and drill bit) is the most likely equipment in the hole. Every attempt will be made to recover all of this equipment prior to abandonment.

If drill pipe, drill collars and/or drill bit are not retrieved and must be abandoned in the wellbore, plugs will be placed as directed by the IEPA. The same procedure will be used if any testing tool, such as a core barrel or drill stem assembly or non-radioactive well log tool is used. Plug placement will depend upon depth that equipment was lost in the well.

If a radioactive well log is lost in the hole (density and/neutron porosity), current Nuclear Regulatory Commission (NRC) regulations will be followed. A 300 ft, red cement plug will be placed immediately above the lost logging tool. An angled, kick-plate will be placed above this plug to divert any subsequent drilling that may coincidentally enter this wellbore. Current NRC regulations require that the surface casing remain extended above the ground surface with an informative ground plate welded to the pipe. The plate includes information about the well to identify what is in the hole.

Plug Placement Method: The method of placing the plugs is the **Balanced Plug** method (Figure 6). This is a basic plug spotting process that is generally considered more efficient and is consistent with best industry practices.

B. Abandonment at end of project

Removal of subsurface well features:

Casing: All casing used in this well will be cemented to surface and will not be retrievable at abandonment after injection.

Tubing and Packers: The Westbay packers will be deflated and the tubing string removed. If the packers cannot be released and removed from the cased hole, a determination will be made as to where in the well the pipe is stuck and an electric line with tubing cutter will be used to cutoff the tubing above the lowest stuck packer.

Plug Placement Method: The **Balanced Plug** placement method will be used. This is a basic plug spotting process that is generally considered more efficient and is consistent with best industry practices.

C. Type and quantity of plugging materials, depth intervals

In addition to the proper volumes, placement of plugs on depths approved by the IEPA (the minimum requirements), all cement will be previously tested in the lab, a Schlumberger CemCADE will be performed using actual well information such as actual depth, temperature on bottom, hole conditions. During the plugging operations, both wet and dry samples will be collected for each plug spotted to ensure quality of the plug.

All casing will be cemented to surface and no casing will be retrieved. From the surface, at least 3 feet of all the casing strings will be cutoff well below the plow line and a blanking plate with the required permit information will be welded to the top of the cutoff casing.

D. Detailed plugging and abandonment procedures

Notifications, Permits, and Inspections (Prior to Workover or Rig Movement)

Notifications, Permits, and Inspections are the same for plug and abandonment during construction and post-injection.

- 1. Notify Illinois EPA 48 hours prior to commencing operations. Insure proper notifications have been given to all regulatory agencies for rig move.
- 2. Make sure all permits to P&A have been duly executed by all local, State & Federal agencies and ADM has written permission to proceed with planned ultimate P&A procedure.
- 3. Ensure in advance that a pre-site inspection has been performed and the rig company has visited the site and is capable of transporting rig, tanks, and ancillary equipment to perform P&A operations. Notify all key third parties of expected work scope, and ensure third party contracts for work are in place prior to move in.

- 4. Have copies of all government permits prior to initiating operations and maintain on location at all times. Check to see if conditions of approval have been met.
- 5. Make sure all operations have been planned and are carried out in such a manner that meets appropriate standards.

Table 8: Plugging & Abandonment Contact List (This table will be completed when Form 4h is submitted.)

<u>Name</u>	Department/ Position	Office	After Hours
Paul Hughes, Jr., P.E.	Schlumberger- Operations	281-765-5010	832-715-9060
Robert J. Finley	ISGS Project Management	217-244-8389	217-649-1744
Tom Stone	ADM Project Engineer	217-424-5897	217-424-5200
Dean Frommelt	Division Environmental Manager	217-451-6330	217-358-0317

Volume Calculations

Estimated volumes will be calculated for specific abandonment wellbore environment based on desired plug diameter and length required. Volume calculations are the same for plug and abandonment during construction and post-injection.

- 1. Choose the following:
 - a. Length of the cement plug desired.
 - b. Desired setting depth of base of plug.
 - c. Amount of spacer to be pumped ahead of the slurry.
- 2. Determine the following:
 - a. Number of sacks of cement required.
 - b. Volume of spacer to be pumped behind the slurry to balance the plug.
 - c. Plug length before the pipe is withdrawn.
 - d. Length of mud freefall in drill pipe.
 - e. Displacement volume required to spot the plug.
- 3. See generic calculations in Figure 7. Have cementer and wellsite supervisor both review calculations prior to spotting any plug.

Note: For each cementing operation the cementer and the wellsite supervisor will verify via a cementing handbook or iHandbook all calculations and have ADM

approve the manner and procedure for cementing operations. Any amendments to the plugging program will require an exemption approved in writing from the Project Manager.

Plugging and Abandonment Procedure for "During Construction" Scenario:

Possible Pumping Scenario for the Cement Job (see figure 6)

- 1. Trip in Hole (TIH) to the desired depth (drill pipe tags the base of the desired plug depth).
- 2. Shut down circulating trip tank on wellbore.
- 3. Break circulation and condition mud as required. Circulate at least until the pit levels stabilize.
- 4. Mix and pump cement and spacers.
- 5. Displace with the predetermined mud volume.
- 6. Shut down cementing unit and allow mud to freefall.
- 7. Near the end of the freefall, begin pulling out. Check to verify if we are pulling dry or wet.

Pulling Out of the Plug

- 8. Resume circulating trip tank on the wellbore. Slowly pull the drillstring out of the plug and continue trip out of hole (TOH) until 2–3 stands above the top of the plug. Slowly pump 5–10 bbls to clear the drill pipe. Run circulating trip tanks continuously.
- 9. Do not attempt to reverse circulate because of potential contamination of the cement plug and to avoid over-pressuring the wellbore annulus. TOH.
- 10. Wait on cement (WOC) minimum 12 hours, make up bottom hole assembly (BHA) and TIH to tag plug and record same. If tag will hold 5–10K lbs weight, pull up, circulate 1–2 stands above and continue with next balanced plug (either in open hole or inside casing) to properly comply with all local, state and federal regulations governing P&A operations.
- 11. After spotting all plugs, pull out of hole (POOH) laying down all drill pipe and drill collars, break out BHA
- 12. Finish cutting off below plow line (or per local, state or regulatory guidelines) all casing, dump 2–5 sacks of G cement in surface hole below plow line and weld plate on top of casing stub. Place marker if required by agency(ies).
- 13. After rig is released, commence with site restoration per local, state or federal guidelines.
- 14. Complete plugging forms and send in with charts and all lab information to all state, local or federal agencies, as is required.

Possible Plugging and Abandonment Procedure for "End of Project" Scenario:

At the end of the serviceable life of the verification well, the well will be plugged and abandoned. In summary, the plugging procedure will consist of removing all components of the completion system and then spotting cement plugs along the entire length of the well. At the surface the well head will be removed and casing cut off 3 feet below surface. A detailed procedure follows:

- 1. Move in workover unit with pump and tank.
- 2. Fill both tubing and annulus with kill weight brine.
- 3. Nipple down well head and nipple up BOPs
- 4. Remove all downhole equipment from well
- 5. Keep hole full with workover brine of sufficient density to maintain well control
- 6. Pick up 2 7/8" tbg work string (or comparable) and trip in hole to PBTD
- 7. Circulate hole two revolutions to ensure that uniform density fluid is in the well
- 8. Start setting cement plugs by spotting 56 sacks Class A cement with 1% TIC. This amount is equal to 500 ft in the 5 ½" casing. Pull 10 stands (20 joints) tbg and reverse circulate hole for two tbg volumes. Lay down tubing as it is pulled from well.
- 9. Repeat plug setting procedure until uppermost set of perforations is covered. Reverse circulate hole one revolution.
- 10. Pull ten stands and shut down overnight.
- 11. On the next morning TIH ten stands and tag plug. Resume plugging procedure as before and continue spotting plugs until the last plug at the surface. Repeat until last plug at surface and spot the appropriate volume of cement to reach surface.
- 12. Nipple down BOPs
- 13. Cut off all well head components and cut off all casings at below ground level.
- 14. Finish filling well with cement.
- 15. Install permanent marker back to surface on which all pertinent well information is inscribed.
- 16. Fill cellar with topsoil.
- 17. Rig down workover unit and move out all equipment. Haul off all workover fluids to proper disposal site.
- 18. Reclaim surface to normal grade and reseed location.
- 7,500 ft 5 ½" 15.5 #/ft casing requires 850 sks cement to fill, 25 plugs (estimated)

Approximately five days required from move in to move out, depending on the operations at hand and the physical constraints of the well, weather, etc..

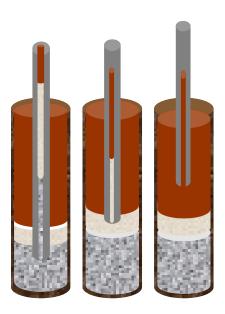


Figure 6. Schematic of pumping the cement job using the balanced plug method. The mottled grey is cement, the white is spacer, and the brown is mud. In the first graphic, the first spacer has already been pumped, and they are pumping in the cement. In the 2nd graphic, they have displaced most of the cement (don't want to contaminate the cement, so leave a little in pipe at this stage), pulled the end of the pipe up into the space, and are displacing the end of the cement and putting more spacer fluid in between the mud and the cement. In the 3rd graphic, they are circulating mud to clean the pipe and casing of any cement before it sets.

V. Estimated 2009 Cost estimate for plugging and abandonment worst case scenario

Itemized P&A Costs	During Construction	Post Construction*
a. Casing Evaluation:	N/A	\$50,000
Mobilize equipment and crews from nearest district. Run multi-finger caliper for detailed inspection of the inner surface of the casing. Run Isolation Scanner for final condition of outer surface of casing and cement condition. Compare to baseline logs run before injection started.		
b. Evaluation of any problems discovered by the casing evaluation:	N/A	\$20,000
Downhole video camera to get visual images of the questionable inner surfaces of the casing.		
c. Cost for repairing problems and cleanup of any groundwater or soil contamination:	N/A	\$40,000
${\rm CO_2}$ as a vapor in soil will not result in contamination like a liquid. A formal "cleanup" may not be required, and the ${\rm CO_2}$ will dissipate into the atmosphere.		
CO_2 into groundwater will like be the same as that in oil. For a period of time, the shallow groundwater may have a low concentration of CO_2 similar to a "flat" soft drink. With time the CO_2 will dissipate into the unsaturated soil and dissipate.		
d. Cost for cementing or other materials used to plug the well:	\$37,000	\$37,000
e. Cost for labor, engineering, rig time, equipment and consultants:	\$157,000	\$157,000
f. Cost for decontamination of equipment:	N/A	N/A
g. Cost for disposal of any equipment:	N/A	\$2,000
Tubing will be sold as scrap metal and worst case cost will be trucking services only.		
h. Estimated sales tax:	\$2,000	\$2,000
Our review shows there is no state sales tax for this kind of work.		
i. Miscellaneous and minor contingencies (20%):	\$10,000	\$10,000
j. Total	\$206,000	\$318,000

^{*}Post Construction cost is for 1/1/10; if the well was abandoned 30 years from now, assuming 3% annual inflation the worst case P&A would be 2.43 times greater or \$772,740.

Figure 7. Plugging Volume Calculations.

VOLUME CALCULATIONS

1. CAPACITIES

Determine the following capacities:

Annular capacity between drillpipe and hole (V_{ANN}) ft³/ft and ft/bbl

Hole or casing capacity (V_{CAPOH}) ft³/ft

Drillpipe or tubing capacity (V_{CAPDP}) ft³/ft and bbl/ft

2. NUMBER OF SACKS OF CEMENT

Determine the number of sacks of cement required for a given length of plug (sx):

 $N_{SX} = L_{PLUG} X V_{CAPOH} / slurry yield$

Where:

 N_{SX} = number of sacks of cement, sx

L_{PLUG} = length of cement plug, ft

V_{CAPOH} = capacity of open hole or casing, ft³/ft

Slurry yield = cement yield, ft3/sk

3. SPACER VOLUME BEHIND SLURRY

Determine the spacer volume to be pumped behind the slurry to balance the plug (bbls):

 $V_{TAILSPACER} = V_{ANN} X V_{LEADSPCR} X V_{CAPDP}$

Where:

 $V_{\mathsf{TAILSPACER}}$ = spacer volume to be pumped behind the slurry to balance the plug, bbls

V_{ANN} = annular capacity, ft/bbl

 V_{LEADSPCR} = spacer volume to be pumped ahead of cement plug, bbls

V_{CAPDP} = drill pipe capacity, bbl/ft

Figure 7. Plugging Volume Calculations, cont.

VOLUME CALCULATIONS, CONTINUED

4. PLUG LENGTH

Determine the plug length (ft) before the drill pipe is withdrawn (ft):

 $L_{PLUG} = (N_{SX} X \text{ slurry yield}) / (V_{ANN} + V_{CAPDP})$

Where:

L_{PLUG} = length of cement plug before the DP is withdrawn, ft

N_{sx} = number of sacks of cement, sx

Slurry yield = cement yield, ft^3/sk V_{ANN} = annular capacity, ft^3/ft V_{CAPDP} = drill pipe capacity, ft^3/ft

5. LENGTH OF FREEFALL IN DRILL PIPE

Determine the length of mud free fall in drill pipe (ft):

 L_{FF} = TD (1 – MW)

Where:

L_{FF} = length of free fall inside the drill pipe, ft

TD = depth, ft

MW = mud density, pPG

6. DISPLACEMENT VOLUME

Determine displacement volume required to spot the plug (bbl):

 $V_{\text{DISP}} \hspace{1.5cm} = \left[\left(L_{\text{DP}} - L_{\text{PLUG}} - L_{\text{FF}} \right) X \; V_{\text{CAPDP}} \right] - V_{\text{TAILSPGR}}$

Where:

V_{DISP} = displacement volume required to spot cement plug, bbls

 L_{DP} = length of drill pipe, ft L_{PLUG} = length of cement plug, ft L_{FF} = length of freefall, ft V_{CAPDP} = drill pipe capacity, bbl/ft

V_{TAILSPCR} = spacer volume to be pumped behind the slurry to balance the plug, bbls

Appendix XIII.D Copy of D.N.R. Completion Report Form



ILLINOIS DEPARTMENT OF NATURAL RESOURCES Office of Mines and Minerals

Division of Oil and Gas (217) 557-6379

One Natural Resources Way Springfield, Illinois 62702-1271



OG-5 WELL DRILLING REPORT

Type of Well:	□ Class II Injection	□ Gas Storage	□ Conversion □ DOPH □ Deepening
Permittee: Arch Well Name: Ve Location: 605 fe	ner Daniels Midland Co rification Well #1 eet north and 1195 fee	ompany Pet east of the SW corne	□ Workover _Permittee # ermit # Reference # er
		Section: <u>32</u>	Township: 1/N Range: 3E
Drilling Data: Date Drilling E Elevation: KI Air Rotary: Fr	Began: Sep 23, 2010 B: 684 DF: 6 om: To:	Finished: No. 2569 Cable: From	Nov 16, 2010 T.D. 7,272 Rotary: From: 0 To: 7,272 To: To:
Test Data:			
Was well core 2132'-2159',42 Drill Stem tes Attach a copy	ed? X YES □ NO In 18'-4264',4513'-4559', t run? □ YES X NO of drill stem test res	terval(s) cored: 5425'-5564',5930-5990 Zone(s) Tested: ults	
Geological Data FORMA		copy of geologists rep DEPTH	FORMATION DETERMINED BY
See attached re	eport. 5,306	op Bottom 7,272	□ Samples □ Samples □ Wind Geophysical Log □ Other: □ List any oil and gas shows: □ (Give depth):
			Signature of Permittee or Designee
			Address
			City, State, Zip

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined in the III. Compiled Stat. Ch. 225, pars. 725 et. seq. Failure to disclose this information will result in this form not being processed. This form has been approved by the Forms Management Center.

<u>Location</u>: There are a total of 11 measuring ports and 1 QA/QC port in the well as displayed above inTable 4.

<u>Make / Model</u>: Westbay MOSDAX System Pressure/Temperature Probe Model 2580

<u>Type</u>: Electrical; Continuous Recording

Operating Range (degF): 32 to 158; this exceeds maximum operating range of system by more than 20%

Sources:

Frommelt, D. (2010). Letter to the Illinois Environmental Protection Agency, Subject: CCS Well #1 Completion Report, – UIC Permit UIC-012-ADM. Archer Daniels Midland Company